

Shipping Name: Adhesive

Shipping Symbols: Shipping Name: Consumer Commodity: Shipping Symbol ORM-D ; Hazard Class 9

Section 15 - Regulatory Information

EPA Regulations:

CERCLA Hazardous Substance (40 CFR 302.4) listed specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity

SARA 311/312 Codes: Immediate Delayed Fire

SARA Toxic Chemical (40 CFR 372.65):

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

Section 16 - Other Information

Prepared By: David Meshirer

Revision Notes:

Additional Hazard Rating Systems:

California Proposition 65: This product contains a substance known to the state of California to cause reproductive harm or cancer.

Benzene trace amount (5ppm)

Disclaimer: The information given and the recommendations made herein apply to our product(s) alone and not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.

Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

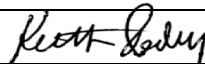
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

HH-66 Vinyl Cement

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name R-H Products Co. Inc.	Emergency Telephone Number 1-800-535-5053
Address (Number, Street, City, State and ZIP Code) 308 Old High St. Acton, MA USA 01720	Telephone Number for Information 1-978-897-8000
	Date Prepared January 6, 2010
	Signature of Preparer (optional) 

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	By Weight % (optional)
Methyl Ethyl Ketone CAS# 78-93-3	200 ppm	200 ppm		46%
Acetone CAS# 67-64-1	750 ppm	750 ppm		21.5%
Toluene CAS# 108-88-3	100 ppm	100 ppm	50 ppm Skin	19%

Toluene and Methyl Ethyl Ketone are subject to the reporting requirements of section 313 of SARA Title III.

OSHA Hazard – Flammable, Irritant

DOT Information: UN 1133, ADHESIVES, 3, PGII (option: Consumer Commodity, ORM-D)	ERG #128
HMIS Ratings: Health-1; Flammability-3; Reactivity-0	Key: 4 – Extreme 3 – High
NFPA Rating: Health-2; Flammability-3; Reactivity-0	2 – Moderate 1 – Slight
Abbreviations used in MSDS: N/D – not determined	
N/A – not applicable	
Regulated V.O.C.'s 4.7 lbs/Gal (4.62 average) – 554 g/l	

Section III—Physical/Chemical Characteristics

Boiling Point Acetone	132° F	Specific Gravity (H ₂ O = 1)	.87 - .88
Vapor Pressure (mm Hg) at 68° F	180 mm	Melting Point	N/D
Vapor Density (AIR = 1)	Heavier	Evaporation Rate (Butyl Acetate = 1)	Slower
Solubility in Water	Insoluble in water		
Appearance and Odor	Clear liquid ; Strong aromatic odor with sharp mint like fragrance		

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	-5.5° C (22° F) ASTM D-56 9/21/2008	Flammable Limits	LEL 1%	UEL 12%
Extinguishing Media	FOAM, DRY CHEMICAL, CO ₂			
Special Fire Fighting Procedures	Fire Fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.			
Unusual Fire and Explosion Hazards	Extremely Flammable. Overheated, closed container near a fire could explode due to pressure buildup.			

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

Incompatibility (*Materials to Avoid*) Strong Oxidizing Agents

Hazardous Decomposition or Byproducts CO₂ and CO when subjected to flames or excessive heat

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

Section VI—Health Hazard Data

Route(s) of Entry	Primary	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
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Health Hazards (*Acute and Chronic*) Eyes – Liquid mildly irritating. Overexposure may also cause irritation and possible dermatitis. Breathing – Overexposure may cause irritation to respiratory system. Extreme overexposure to vapors could result in central nervous system, liver and kidney damage. Ingestion – May cause gastrointestinal irritation.

Carcinogenicity None (No) NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure Eyes – Redness, tearing and swelling. Skin – Dryness of skin including cracking. Breathing – Overexposure includes dizziness, headache, nausea, and light headedness. Swallowing – Nausea, vomiting, and diarrhea

Medical Conditions Generally Aggravated by Exposure Skin – Prolonged contact will irritate skin and may cause dermatitis. Breathing – Extreme overexposure of Toluene vapors may cause nervous system damage. Swallowing – May cause nausea, vomiting and diarrhea. Aspiration into the lungs as a result of vomiting may cause lung damage.

Emergency and First Aid Procedures Eye contact – Flush immediately with water. Call a physician. Skin contact – Wash area with soap and water. Breathing – Move affected person to fresh air at once. Restore breathing. Call a physician if difficulties persist. If swallowed – DO NOT INDUCE VOMITING. Call a physician. Give water to victim. If vomiting occurs, prevent aspiration into lungs by lowering head between knees.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled Extinguish all sources of ignition in area. Collect spilled material and place in a closed container for disposal or salvage.

Waste Disposal Method Dispose in accordance with local and current U.S. E.P.A. regulations.

U.S. E.P.A. Hazardous Waste Number: D001 (Ignitable) (MEK – 1/91) D:035

Precautions to Be Taken in Handling and Storing Keep away from heat; open flames and sparks. Use and store with adequate ventilation to prevent vapor buildup. Vapors released by product can easily ignite.

Other Precautions Avoid contact with skin and eyes. Avoid prolonged breathing of vapors. Keep container closed when not in use.
KEEP OUT OF REACH OF CHILDREN

Section VII—Control Measures

Respiratory Protection (*Specify Type*) If exposure exceeds occupational exposure limits use a NIOSH approved respirator to prevent overexposure. Per 29 CFR 1910.134 CCROV or SA types recommended.

Ventilation	Local Exhaust	Should be used to maintain exposure below TLV(s)	Special	Explosion proof ventilation maybe required to control vapor concentrations.
	Mechanical (<i>General</i>)	Should be used to maintain exposure below TLV(s)	Other	N/D

Protective Gloves Impervious gloves; (for Solvent) Eye Protection Chemical goggles or safety glasses

Other Protective Clothing or Equipment Work apron to avoid contact with personal clothing and skin.

Work/Hygienic Practices Keep area clean. Wash hands thoroughly after working with product.

RED DEVIL PAINTS AND CHEMICALS -- ACRYLIC LATEX GLOSS ENAMEL, 264 --
8010-00N055099

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MSDS Safety Information
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FSC: 8010
MSDS Date: 10/01/1989
MSDS Num: BWDCL
LIIN: 00N055099
Tech Review: 11/06/1995
Product ID: ACRYLIC LATEX GLOSS ENAMEL, 264
Responsible Party
Cage: REDDE
Name: RED DEVIL PAINTS AND CHEMICALS
Address: 30 NORTH WEST ST
City: MOUNT VERNON NY 10550 US
Info Phone Number: 914-699-3311
Emergency Phone Number: 914-699-3311
Review Ind: N

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Contractor Summary
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Cage: REDDE
Name: RED DEVIL PAINTS & CHEMICALS
Address: 30 NORTH WEST STREET
City: MOUNT VERNON NY 10550
Country: NK
Phone: (914) 699-3311

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Ingredients
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Name: ACRYLIC/VINYL ACETATE POLYMERS
% by Wt: 22-26
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Name: RESIDUAL MONOMERS
% by Wt: 0.03
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 7664-41-7
RTECS #: BO0875000
Name: AMMONIA (SARA III)
% by Wt: 0.15
OSHA PEL: 50 PPM
ACGIH TLV: 25 PPM/35 STEL
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS
Ozone Depleting Chemical: N

Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER.
% by Wt: <59.2
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Ozone Depleting Chemical: N

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Health Hazards Data
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LD50 LC50 Mixture: LD50 (ORAL, RAT):>5 G/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE:INHALTION:ADVERSE EFFECTS FROM VAPORS OR
SPRAY

MISTS IN POORLY VENTILATED AREAS MAY INCLUDE IRRITATION OF MUCOUS
MEMBRANES OF NOSE, THROAT AND RESPIRATORY TRACT AND SYMPTOMS OF
HEADACHE

AND NAUS EA. SKIN:PROLONGED OR REPEATED CONTACT WITH PRODUCT MAY
CAUSE

SKIN IRRITATION. EYE:DIRECT CONTACT (EFFECTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptions Of Overexposure: HLTH HAZ:WITH PRODUCT MAY RESULT
IN

EYE IRRITATION.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INHAL:REMOVE SUBJECT TO FRESH AIR. EYE: PROMPTLY AND THORO
WASH

WITH WATER FOR @ LEAST 15 MINUTES & CONSULT PHYS IF IRRIATION
PERSISTS.

SKIN:WASH THORO WITH SOAP & WATER; IF DRENCHED, REMOVE AND WASH
CLTHG

BEFORE REUSE. INGEST:IF VICTIM ISCONSCIOUS, GIVE 2 GLASSES OF WATER
TO

DRINK. CALL PHYS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS
PERSON.

=====
Handling and Disposal
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Spill Release Procedures: KEEP SPECTATORS AWAY. FLOOR MAY BE SLIPPERY;
USE

CARE TO AVOID FALLING. DIKE & CONTAIN SPILL W/INERT MATL (E.G., SAND,
EARTH). TRANSFER LIQ TO CNTNRS FOR RECOVERY/DISP & SOLID DIKING MATL
TO

SEPARATE CNTNRS FOR DISP. KEEP SPILLS & CLEANING(SUPDAT)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: COAGUALTE EMULSION BY STEPWISE ADDITION/FERRIC
CHLORIDE & LIME. REMOVE CLEAR SUPERNATANT LIQ & FLUSH TO CHEM SEWER.
LANDFILL/INCIN SOLIDS & THE CONTAMD DIKING MATL ACCORDING TO LOCAL,
STATE, AND FEDER AL REGULATIONS.

Handling And Storage Precautions: STORE @ MAX 60C/140F, MIN 1.1C/34F.

PRECAUTIONARY LABELING:KEEP FROM FREEZING PROD MAY COAGULATE.

Other Precautions: NOTE:MONOMER VAP CAN BE EVOLVED WHEN PROD IS HEATED
DURING PROCESSING OPERATIONS. IN SUCH CASE, USE LOC EXHAUST VENT

W/MIN

CAPTURE VELOCITY OF 100 FT/MIN. (<30M/MIN.) @ POINT OF MONOMER
EVOLUTION. REF ER TO INDUST VEL:A MANUAL OF (SUPDAT)

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Fire and Explosion Hazard Information

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Extinguishing Media: NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures: NOT APPLICABLE. USE NIOSH/MSHA APPROVED SCBA
&
FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire/Explosion Hazard: PROD WILL NOT BURN BUT MAY SPATTER IF
TEMPERATURE EXCEEDS BOILING POINT. POLYMER FILMS ARE CAPABLE OF
BURNING
GIVING OFF OXIDES OF CARBON/NITROGEN.
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Control Measures
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Respiratory Protection: NONE REQD IF GOOD VENT IS MAINTAINED. OTHERWISE
WEAR NIOSH/MSHA APPROVED RESPIRATOR SUITABLE FOR VAPOR OR MIST
CONCENTRATIONS ENCOUNTERED.
Ventilation: MECHANICAL LOCAL EXHAUST OF CONTAMINANT (VAP/MIST)
RELEASE.
Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: CHEM SPLSH GOGGS (ANSI Z87.1 OR APP EQ).
Other Protective Equipment: EYEWASH FACILITY; EMERGENCY SHOWER.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health: BP:212F,100C (WATER). SPEC GRAV:1.06-
1.26(WATER=1). VP:17 @ 20C/68F. MP:9C,32F(WATER). PH:9.0-10.0. EVAP
RATE:<1 (SLOWER) (BUTYL ACETATE =1). % VOLAT:50.3-59.2. SPILL
RELEASE:RUNOFFS OUT OF MUNICIPAL SEWERS & OPEN BODIES OF WATER.
OTHER
PRECAUT:REC PRACTICE PUBLISHED BY ACGIH.
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Physical/Chemical Properties
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HCC: B3
B.P. Text: SUPDAT
M.P/F.P Text: SUPDAT
Vapor Pres: SUPDAT
Vapor Density: >1 (HVR)
Spec Gravity: SUPP DATA
PH: SUPDAT
Evaporation Rate & Reference: SUPP DATA
Solubility in Water: DILUTABLE
Appearance and Odor: SIX COLORS; SLIGHT AMMONIACAL ODOR
Percent Volatiles by Volume: SUPDAT
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Reactivity Data
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Stability Indicator: YES
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT.
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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information

Other Information

HAZCOM Label

Product ID: ACRYLIC LATEX GLOSS ENAMEL, 264
Cage: REDDE
Company Name: RED DEVIL PAINTS & CHEMICALS
Street: 30 NORTH WEST STREET
City: MOUNT VERNON NY
Zipcode: 10550
Country: NK
Health Emergency Phone: 914-699-3311
Date Of Label Review: 11/14/1994
Label Date: 11/14/1994
Chronic Hazard IND: N
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: ACUTE:INHALTION:ADVERSE EFFECTS FROM VAPORS OR
SPRAY MISTS IN POORLY VENTILATED AREAS MAY INCLUDE IRRITATION OF
MUCOUS
MEMBRANES OF NOSE, THROAT AND RESPIRATORY TRACT AND SYMPTOMS OF
HEADACHE
AND NAUS EA. SKIN:PROLONGED OR REPEATED CONTACT WITH PRODUCT MAY
CAUSE
SKIN IRRITATION. EYE:DIRECT CONTACT MAY CAUSE IRRITATION.
CHRONIC:NONE
SPECIFIED BY MANUFACTURER.

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other government situation.

MATERIAL SAFETY DATA SHEET

RONSON LIGHTER FLUID

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

Product Name: Ronson Lighter Fluid
Synonyms, Trade Names: Ronsonol Lighter Fluid 133ml
Applications : Liquid Lighter fuel
Supplier : Ronson International Ltd
International House, Old Brighton Road
Lowfield Heath, Crawley, West Sussex RH11 0QN
Emergency Telephones: 01293 843600

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	No.	Contents	Health class)	Risk (R No.)
Ronson Lighter Fluid	64741-84-0	Aliphatic hydrocarbons		51/53

3. HAZARDS IDENTIFICATION

Highly Flammable. Toxic to aquatic organisms, may cause long term adverse effect on the aquatic environment.

4. FIRST AID MEASURES

General: NOTE! Keep affected person away from heat, sparks and flames!

Promptly wash eyes with copious amounts of water while lifting the eyelids. Get medical attention immediately. Continue to rinse.

Skin: Remove affected person from source of contamination. Promptly remove clothing. If penetrated and flush the skin with water.

Inhalation: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS.
If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Stop flow of material to fire. Fire can be extinguished by using foam, dry chemicals, sand, dolomite etc.

Special Fire Fighting Procedures:

Use water to keep fire-exposed containers cool and disperse vapors. Cool containers exposed to flames with water from the side until well after the fire is out. Move container from fire area if it can be done without risk.

MATERIAL SAFETY DATA SHEET

RONSON LIGHTER FLUID

Unusual Fire & Explosion Hazards:

May explode in a fire. May travel a considerable distance to source of fire and flashback.

Hazardous Decomposition Products:

Toxic gases/vapors/fumes of carbon monoxide (CO) and carbon dioxide (CO₂).

6. ACCIDENTAL RELEASE MEASURES

Spill Cleanup Methods: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Absorb with inert, damp, non-combustible material, flush the area with water.

7. HANDLING AND STORAGE

Usage Precautions: Keep away from heat, sparks and open flame.

Storage Precautions: Flammable/Combustible Keep away from oxidizers, heat and flames. May attack some rubber and coatings.

Storage Criteria: Flammable Liquid storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Name	Cas No.	STD	LT EXP (8hrs)	ST EXP (15 min)
Ronson Lighter Fluid	64741-84-0	OES		800 ppm

Ingredient comments: OES = Occupational Exposure Standard (EH40)

Ventilation: Well-ventilated area

Respirators: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

Protective Gloves: Not normally required under normal use unless user has skin disorder.

Eye Protection: Under normal use should not be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	colorless	Appearance:	clear, liquid
Odor/Taste:	mild (or faint), organic solvents		
Solubility description:	Insoluble in water, miscible with organic solvents (most)		
Specific Gravity (Water = 1):	0.73 @ 20°C		
Evaporation Rate (EtEt=1)	9.5	Vapor Pressure (mmHg):	2.04 @ 20°C
Melting Point:	<-30°C		
Boiling Point:	100 - 155°C 760mmHg		
Flash Point:	4°C	Flash Point Method:	CC (Closed Cup)
Auto Ignition Temperature:	230°C		
Flammability Limit:	lower % :0.90		

MATERIAL SAFETY DATA SHEET

RONSON LIGHTER FLUID

Flammability Limit: upper % : 8

10. STABILITY AND REACTIVITY

Stability: Avoid heat, sparks, and flames.
Materials to avoid: Strong oxidizing agents.
Conditions to avoid: Evaporates easily in air. Reacts strongly with oxidizers.

Hazardous Decomposition Products

Toxic gases/vapors/fumes of carbon monoxide (CO), carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Health Warnings: Vapor from this chemical can be hazardous when inhaled.
Eye Contact: Mild irritation, or discomfort
Skin contact: Defatting of the skin resulting in dermatitis.
Inhalation: Irritation to the respiratory system.
Ingestion: Irritation to mouth and digestive tract. Vomiting can cause an aspiration hazard.
Medical symptoms: Dizziness.

12. ECOLOGICAL INFORMATION

Degradability: Not readily biodegradable. Will float on water, evaporate quickly, low potential to bioaccumulate.
Acute fish Toxicity: Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

Road:
UN No. 1268 Hazchem Code 3YE
ADR Class 3 ADR Item No 3(b)
ADR Hazard No. 33 Highly flammable liquid (flash point below 23°C)
Cefic Tec®No. 754 ADR Label No. 3
Marginal: 2301
Label for Conveyance

Air:
UN No. 1268 Air Transport Class No. 3
Air Sub Class: 3 Air Pack Gr; 11

Sea:
UN No. 1268 Sea Transport Class No. 3.2
IMDG Page No. 3271
Marine Pollutant Yes

MATERIAL SAFETY DATA SHEET

RONSON LIGHTER FLUID

Rail:

Rail Transport Class No.

3

Railroad PT

3b

15. REGULATORY INFORMATION

Label For Supply

Risk Phrases

R-51/53

R-11

Highly Flammable

Toxic to aquatic organisms, may cause long term adverse effect in the aquatic environment.

Safety Phrases:

S-16

S-29

S-62

S-9

Keep container in a well-ventilated place.

Keep away from sources of ignition – NO SMOKING.

Do not empty into drains.

If swallowed do not induce vomiting. Seek medical advice immediately and show this container or label.

UK Regulatory References.

Classification, Packaging and Labeling Regulations 1984.

Highly Flammable Liquid Regulations 1972

Health and Safety at work Act 1974

The Control of Substances Hazardous to Health Regulations 1988

16. OTHER INFORMATION

Information Sources: Dangerous Properties of Industrial Chemicals, 6 edition N.Sax, 1984.

OSHA Air Contaminants – Permissible Exposure Limits (Title 29).

Handbook of Toxic and Hazardous Chemicals and Carcinogens, Sittig, '85.

Hazardous Materials, Emergency Response Guide, DOT-P 5800.3, 1984.

NIOSH/OSHA Pocket Guide to Chemical Hazards (latest edition).

Threshold Limit Values and Biological Exposure Indices for 1994-95.

Chemical Safety Data Guide. Bureau of National Affairs, 1985.

SDS No:

1021

Revision Date:

May.2000

Revision No./ Replaces SDS issued: 31.01.1996

Revision Comments:

New Safety Sheet to Chip Format.



ACRYLIC LATEX GLAZES

MSDS No.:5580, 5581

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **ACRYLIC LATEX GLAZES**

Clear Acrylic Gloss (No.5580)
 Clear Acrylic Flat (No.5581)

Product Use : Coating

Chemical Family : Mixture.

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Water	7732-18-5	30.0 - 60.0	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid. (Clear Acrylic Flat) clear; (Clear Acrylic Gloss) cloudy. Slight odor. No special hazards exist with this product. As with any chemical substance, caution and care will prevent unnecessary accidents and safety problems. Read instructions on label before use.

POTENTIAL HEALTH EFFECTS

Target organs : None reported by the manufacturer.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:* YES *Ingestion:* YES

Potential acute health effects :

Eyes: Causes eye irritation. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Possible severe irritation.

Skin: Irritating to skin. Prolonged or repeated exposure may be harmful to health. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.



ACRYLIC LATEX GLAZES

MSDS No.:5580, 5581

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Page 2 of 6

Inhalation: Can cause irritation of the respiratory tract. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects: Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities.

Ingestion: Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects: intoxication.

Potential chronic health effects

: Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis.

Medical conditions aggravated by overexposure

: None expected, when used as intended.

Additional health hazards

: None reported by the manufacturer.

Potential environmental effects

: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

- Inhalation** : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.
- Skin contact** : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.
- Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Ingestion** : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.
- Notes for Physician** : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling. This product will not burn, due to its water content.

Flammability classification (OSHA 29 CFR 1910.1200)

: Not applicable.

Flash point

: Not available.

Flash point Method

: Not applicable.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

: Not applicable.

Upper flammable limit (% by vol.)

: Not applicable.

Suitable extinguishing media

: Dry chemical, foam, carbon dioxide and water fog.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment

: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.

Hazardous combustion products

: Oxides of carbon, nitrogen, and sulfur.

Oxidizing properties

: None reported by the manufacturer.



SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions** : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.
- Environmental precautions** : Prevent product from entering drains, sewers, waterways and soil.
- Spill response/cleanup** : Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).
- Containment** : Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Wear suitable protective equipment. Do not ingest.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue.
- Incompatible materials** : Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.
- Special packaging materials** : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering measures** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment. Discharge exhaust only in area away from ignition sources.
- Respiratory protection** : Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Gloves impervious to the material are recommended.
- Eye / face protection** : Safety glasses with side-shields or chemical splash goggles.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.
- General hygiene considerations** : Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|-------------------------------|------------------------------|--|--|
| Physical state | : Liquid. | Appearance | : Cloudy (Clear Acrylic Gloss); clear (Clear Acrylic Flat) |
| Odor | : Slight odor. | Odor threshold | : Not available. |
| PH | : Not available. | Specific gravity | : 1.08 (Clear Acrylic Gloss); 1.19 (Clear Acrylic Flat) |
| Boiling point | : 99-100 °C | Coefficient of water/oil distribution | : Not available. |
| Melting/Freezing point | : Freezing point: -4 to 0 °C | | |



ACRYLIC LATEX GLAZES

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- Vapor pressure (mmHg @ 20° C / 68° F)** : 1.0 (Clear Acrylic Gloss); 83-760 (Clear Acrylic Flat)
- Solubility in water** : Appreciable. (10.0 to 99.9)
- Vapor density (Air = 1)** : Heavier than air.
- Evaporation rate (n-Butyl acetate = 1)** : Slower than n-butyl acetate
- Volatile organic Compounds (VOC's) (lbs/gal;g/l)** : Clear Acrylic Gloss: 0.66, 80.1; Clear Acrylic Flat: 0.04, 5.7
- Volatiles (% by weight)** : 44.8 (Clear Acrylic Gloss); 53.53 (Clear Acrylic Flat)
- Viscosity** : Not available.
- Special Remarks on Fire Hazards** : Not flammable under normal conditions of use. This product will not burn, due to its water content. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.

SECTION 10 - REACTIVITY AND STABILITY DATA

- Stability and reactivity** : Stable under normal conditions.
- Hazardous polymerization** : Will not occur.
- Conditions to avoid** : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Avoid exposure to strong oxidizers, such as hydrogen peroxide, nitric acid and sulfuric acid. Do not freeze.
- Materials to Avoid and Incompatibility** : See Section 7 (Handling and Storage) section for further details.
- Hazardous decomposition products** : See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh. rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
Water	N/Av	>90 mL/kg (rat)	N/Av

- Toxicological data** : Low order of toxicity for normal industrial handling.
- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Irritating to eyes, respiratory system and skin.
- Sensitization to material** : Not expected to be a sensitizer.
- Synergistic materials** : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.



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SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All ingredients are listed on the TSCA Inventory, or are exempted materials.

SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA): All ingredients are listed on the DSL, or are exempted materials.

Canadian WHMIS Classification: D2B.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION



ACRYLIC LATEX GLAZES



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- Legend**
- : ACGIH: American Conference of Governmental Industrial Hygienists
 - : IARC: International Agency for Research on Cancer
 - : N/Ap: not applicable
 - : N/Av: not available
 - : NIOSH: National Institute of Occupational Safety and Health
 - : NTP: National Toxicology Program
 - : OSHA: Occupational Safety and Health Administration

- References**
- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: : January 3, 2007

END OF DOCUMENT



Rosco Laboratories Inc.

52 Harbor View Avenue
Stamford, CT, USA, 06902
Phone: (203) 708 8900

DEEP COLORS

MSDS No.:5500 Series

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **DEEP COLORS**

Deep Colors-Casein-White (No. 5551)
 Deep Colors-Casein-Black (No. 5552)
 Deep Colors Yellow Ochre (No. 5553)
 Deep Colors Burnt Umber (No. 5554)
 Deep Colors Raw Siena (No. 5555)
 Deep Colors Burnt Sienna (No. 5556)
 Deep Colors Raw Umber (No. 5557)
 Deep Colors Van Dyke Brown (No. 5558)
 Deep Colors Ultra Blue (No. 5559)
 Deep Colors Red (No. 5560)
 Deep Colors Dark Red (No. 5561)
 Deep Colors Bright Red (No. 5562)
 Deep Colors Orange (No. 5563)
 Deep Colors Emerald (No. 5564)
 Deep Colors Chrome Oxide Green (No. 5565)
 Deep Colors Lemon Yellow (No. 5566)
 Deep Colors Golden Yellow (No. 5567)
 Deep Colors Purple (No. 5568)
 Deep Colors Magenta (No. 5569)
 Deep Colors Turquoise (No. 5570)
 Deep Colors Dark Green (No. 5571)
 Deep Colors Cerulean Blue (No. 5572)
 Deep Colors Navy Blue (No. 5573)

Product Use : Paint

Chemical Family : Mixture.

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
Stamford, CT, United States
06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: * 1 *Flammability:* 1 *Reactivity:* 0

WHMIS Classes:





DEEP COLORS

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Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
Deep Colors Burnt Umber						
Manganese dioxide	1313-13-9	1.0 - 5.0	N/Av	N/Av	N/Av	N/Av
Silica, crystalline-quartz	14808-60-7	0.1 - 1.0	0.025 mg/m3	N/Av	(10)/(%SiO2 + 2) mg/m3	N/Av
Silica, crystalline-cristobalite	14464-46-1	3.0 - 7.0	0.025 mg/m3	N/Av	N/Av	N/Av
Deep Colors Chromium Oxide Green						
Chromium oxide	1308-38-9	3.0 - 7.0	N/Av	N/Av	N/Av	N/Av
Cristobalite	14464-46-1	3.0 - 7.0	0.025 mg/m3	N/Av	N/Av	N/Av
Deep Colors Dark Green, Deep Colors Navy Blue						
Cristobalite	14464-46-1	3.0 - 7.0	0.025 mg/m3	N/Av	N/Av	N/Av
Carbon black	1333-86-4	0.1 - 1.0	3.5 mg/m3	N/Av	3.5 mg/m3	N/Av
Deep Colors Orange, Deep Colors Lemon Yellow						
Cristobalite	14464-46-1	3.0 - 7.0	0.025 mg/m3	N/Av	N/Av	N/Av
2-Butoxyethanol (Glycol Ether)	111-76-2	0.1 - 1.0	20 ppm	N/Av	50 ppm (240 mg/m3) (skin)	N/Av
Deep Colors Raw Umber, Deep Colors Emerald, Deep Colors Magenta						
Cristobalite	14464-46-1	3.0 - 7.0	0.025 mg/m3	N/Av	N/Av	N/Av
Silica, crystalline-quartz	14808-60-7	0.1 - 1.0	0.025 mg/m3	N/Av	(10)/(%SiO2 + 2) mg/m3	N/Av
Deep Colors Van Dyke Brown						
Cristobalite	14464-46-1	3.0 - 7.0	0.025 mg/m3	N/Av	N/Av	N/Av
Carbon black	1333-86-4	0.1 - 1.0	3.5 mg/m3	N/Av	3.5 mg/m3	N/Av
Silica, crystalline-quartz	14808-60-7	0.1 - 1.0	0.025 mg/m3	N/Av	(10)/(%SiO2 + 2) mg/m3	N/Av
Deep Colors-Casein-Black, Deep Colors Yellow Ochre, Deep Colors Ultra Blue, Deep Colors Turquoise, Deep Colors Cerulean Blue						
Cristobalite	14464-46-1	1.0 - 5.0	0.025 mg/m3	N/Av	N/Av	N/Av
Deep Colors-Casein-White (Cristobalite), Deep Colors Burnt Sienna, Deep Colors Red, Deep Colors Dark Red, Deep Colors Bright Red, Deep Colors Golden Yellow, Deep Colors Purple						
Cristobalite	14464-46-1	3.0 - 7.0	0.025 mg/m3	N/Av	N/Av	N/Av
Deep Colors-Casein-White (Quartz)						



DEEP COLORS

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Target organs : None reported by the manufacturer.
Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:*YES *Ingestion:* YES

Potential acute health effects :

- Eyes:* Causes eye irritation. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Prolonged contact may cause corrosive burns and eye damage.
- Skin:* Irritating to skin. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.
- Inhalation:* Can cause irritation of the respiratory tract. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects: Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities.
- Ingestion:* Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects: intoxication.

Potential chronic health effects

- : Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis. Contains crystalline silica; prolonged exposure by inhalation of particles can cause serious lung damage, including silicosis.

Medical conditions aggravated by overexposure

- : None expected, when used as intended.

Additional health hazards

- : Exposure to respirable silica is not possible under normal conditions of use. Crystalline Silica has been classified as a carcinogen in dry powder form only.

Potential environmental effects

- : None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

- Inhalation** : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.
- Skin contact** : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.
- Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Ingestion** : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.
- Notes For Physician** : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

- : Not flammable under normal conditions of handling. This product will not burn, due to its water content



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Special fire-fighting procedures/equipment

- : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.

Hazardous combustion products

- : Oxides of carbon, nitrogen, and sulphur. Oxygen. Acrid fumes, toxic gases.

Oxidizing properties

- : Contains a strong oxidizer. Contact with combustible material may cause fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions

- : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.

Environmental precautions

- : Prevent product from entering drains, sewers, waterways and soil.

Spill response/cleanup

- : Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

Containment

- : Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures

- : Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Wear suitable protective equipment. Do not ingest.

Storage requirements

- : Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue.

Incompatible materials

- : Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.

Special packaging materials

- : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures

- : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment. Discharge exhaust only in area away from ignition sources.

Respiratory protection

- : Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02



SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid.	Appearance	: Color as per product name
Odor	: Not available.	Odor threshold	: 2-butoxyethanol: 0.1 ppm (detectable) ; 0.35 ppm (recognizable) (No. 5563, 5566)
pH	: Not available.	Specific gravity	: 1.0-1.5
Boiling point	: 100 °C	Coefficient of water/oil distribution	: Not available.
Melting/Freezing point	: Not available.	Solubility in water	: soluble
Vapor pressure (mmHg @ 20° C / 68° F)	: 1.4 (No. 5551) 1.0 (No. 5552) 0.6 - 1.4 (No. 5554, 5559, 5557, 5564, 5558, 5561, 5562, 5570, 5572, 5571, 5573, 5565) 0.06 - 1.4 (No. 5560) 0.6-33 (No. 5563, 5566, 5567) 2.0 (No. 5568) 1.0 @ 35°C (No. 5555) Not available. (No. 5553, 5556, 5569)		
Vapor density (Air = 1)	: Heavier than air.	Evaporation rate (n-Butyl acetate = 1)	: Slower than n-butyl acetate
Volatile organic Compounds (VOC's) (lbs/gal;g/l)	: 0.24 / 28.00 (No. 5551, 5552, 5564, 5573) 0.41 / 50.00 (No. 5560, 5570, 5572, 5565) 0.25 / 30.51 (No. 5559, 5557) 0.30 / 36.84 (No. 5553) 0.28 / 34.22 (No. 5555) 0.33 / 40.09 (No. 5556) 0.19 / 23.56 (No. 5569) 0.36 / 43.81 (No. 5558) 0.46 / 55.63 (No. 5563) 0.49 / 59.44 (No. 5566) 0.39 / 47.32 (No. 5561) 0.18 / 22.78 (No. 5562) 0.62 / 74.86 (No. 5567) 0.42 / 50.67 (No. 5568) 0.73 / 87.93 (No. 5571) 0.22 / 26.78 (No.5554)	Volatiles (% by weight)	: 46.69 No. 5554: 55.29
Viscosity	: Not available.		



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Materials To Avoid And Incompatibility

: See Section 7 (Handling and Storage) section for further details.

Hazardous decomposition products

: See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh. rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
Deep Colors Burnt Umber			
Manganese dioxide	N/Av	3478 mg/kg (rat)	N/Av
Silica, crystalline-quartz	N/Av	N/Av	N/Av
Silica, crystalline-cristobalite	N/Av	N/Av	N/Av
Deep Colors Chromium Oxide Green			
Chromium oxide	N/Av	N/Av	N/Av
Cristobalite	N/Av	N/Av	N/Av
Deep Colors Dark Green, Deep Colors Navy Blue			
Cristobalite	N/Av	N/Av	N/Av
Carbon black	6750 mg/m ³ /4H (rat)	>15,400 mg/kg (rat)	>3000 mg/kg (rabbit)
Deep Colors Orange, Deep Colors Lemon Yellow			
Cristobalite	N/Av	N/Av	N/Av
2-Butoxyethanol (Glycol Ether)	450 ppm/4H (rat)	470 mg/kg (rat); 320 mg/kg (rabbit)	400 mg/kg (rabbit)
Deep Colors Raw Umber, Deep Colors Emerald, Deep Colors Magenta			
Cristobalite	N/Av	N/Av	N/Av
Silica, crystalline-quartz	N/Av	N/Av	N/Av
Deep Colors Van Dyke Brown			
Cristobalite	N/Av	N/Av	N/Av
Carbon black	6750 mg/m ³ /4H (rat)	>15,400 mg/kg (rat)	>3000 mg/kg (rabbit)
Silica, crystalline-quartz	N/Av	N/Av	N/Av
Deep Colors-Casein-Black, Deep Colors Yellow Ochre, Deep Colors Ultra Blue, Deep Colors Turquoise, Deep Colors Cerulean Blue			
Cristobalite	N/Av	N/Av	N/Av
Deep Colors-Casein-White (Cristobalite), Deep Colors Burnt Sienna, Deep Colors Red, Deep Colors Dark Red, Deep Colors Bright Red, Deep Colors Golden Yellow, Deep Colors Purple			
Cristobalite	N/Av	N/Av	N/Av

Deep Colors-Casein-White (Quartz)



DEEP COLORS

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- Carcinogenic status** : Contains Crystalline silica. Crystalline silica is classified as carcinogenic by IARC (Group 1), the ACGIH (Category A2) and the NTP (Group 1 - Known human carcinogen). Contains crystalline silica; prolonged exposure by inhalation of particles can cause serious lung damage, including silicosis. Crystalline Silica has been classified as a carcinogen in dry powder form only. Exposure to respirable silica is not possible under normal conditions of use.
 No. 5558, 5571, 5573: This product contains Carbon black, an IARC Group 2B carcinogen.
 No. 5563, 5566: Contains 2-Butoxyethanol. 2-Butoxyethanol is classified as a confirmed animal carcinogen by ACGIH (Group A3).
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Eyes, skin, respiratory system and digestive system.
- Sensitization to material** : Not expected to be a sensitizer.
- Synergistic materials** : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional	None.				



Rosco Laboratories Inc.

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Stamford, CT, USA, 06902
Phone: (203) 708 8900

DEEP COLORS

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IMDG Additional information	None.
--	-------

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

All ingredients are listed on the TSCA Inventory, or are exempted materials.
SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and/or reproductive harm. This product contains: Crystalline, silica. Carbon black is listed when found in unbound, airborne particles of respirable size.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA): All ingredients are listed on the DSL, or are exempted materials.
Canadian WHMIS Classification: D2A, D2B.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION

- Legend** : ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
N/Ap: not applicable
N/Av: not available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
- References** : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<u>Prepared for:</u> Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://www.rosco.com/	
<u>Prepared by:</u> ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com	



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 06902
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 MSDS No.: WD/PC/NF
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ROSCOFLAMEX WD/PC/NF
MSDS Reviewed Date April 1, 2012

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name **ROSCOFLAMEX WD, ROSCOFLAMEX PC
 ROSCOFLAMEX NF**

Product Use Coating - Flame retardant

Chemical Family N/Ap

Supplier's name and address:
Rosco Laboratories Inc.
 52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # (800) 424-9300

HMIS Rating * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
Health: 1 Flammability: 0 Reactivity: 0

WHMIS Classes:



Unregulated

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
No hazardous ingredients	N/Ap	100	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Straw-colored liquid. Little or no odor. Contact with eyes or skin may cause mild irritation.

POTENTIAL HEALTH EFFECTS

Target organs None reported by the manufacturer.

Routes of exposure *Inhalation: YES Skin Absorption: NO Skin & Eyes: YES*
Ingestion: YES

Potential acute health effects

Eyes: Contact with eyes may cause irritation. May cause burning sensation, redness and tearing (watering).

Skin: May cause irritation.



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Inhalation: May cause irritation to upper respiratory system. Symptoms may include coughing, chest pain and shortness of breath. May decompose to form toxic/corrosive gasses if exposed to high heat.

Ingestion: Swallowing large amounts may be harmful. Swallowing may cause irritation, nausea and vomiting.

Potential chronic health effects

Contact dermatitis can result from prolonged overexposure.

Medical conditions aggravated by overexposure

Pre-existing skin conditions.

Additional health hazards

None reported by the manufacturer.

Potential environmental effects

None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

Inhalation

If inhaled, move to fresh air. If irritation persists, seek prompt medical attention.

Skin contact

Wash affected areas with soap and water. Remove and wash contaminated clothing before re-use.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. If irritation persists, seek prompt medical attention.

Ingestion

Call a physician or Poison Control Centre immediately. Dilute with large quantities of water or milk. Never give anything by mouth to an unconscious person. Induce vomiting if and as directed by medical personnel.

Notes For Physician

Low degree of toxicity.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

Not flammable under normal conditions of handling. May decompose to form toxic/corrosive gasses if exposed to high heat.

Flammability classification (OSHA 29 CFR 1910.1200)

Not flammable.

Flash point

Not applicable.

Flash point Method

Not applicable.

Auto-ignition temperature

Not available.

Lower flammable limit (% by vol.)

Not applicable.

Upper flammable limit (% by vol.)

Not applicable.

Suitable extinguishing media

Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Explosion data: Sensitivity to mechanical impact / static discharge

Not sensitive to static discharge or mechanical impact under normal conditions of use and handling.

Special fire-fighting procedures/equipment

In case of fire, evacuate area. Firefighters should wear self-contained breathing apparatus (SCBA). In confined spaces or where the risk of skin exposure is much higher (e.g. handling bulk material), impervious clothing should also be worn. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas or for large spill clean-up sites.

Hazardous combustion products

Thermal decomposition products include: Ammonia.

Oxidizing properties

None.



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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear suitable protective clothing (see Section 8).
Environmental precautions	If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
Spill response/cleanup	Absorb material with mop or sponge. Place contaminated material in sealed containers for disposal. Wash area thoroughly with a detergent solution and rinse well with water.
Containment	Place in an approved metal container. Seal the container.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures	Do not ingest. Avoid prolonged, direct contact with skin. Keep containers closed when not in use. Use with adequate ventilation. Do not breathe vapours or spray mist. Avoid contact with eyes.
Storage requirements	Store in a cool, dry, well-ventilated area. Do not freeze. Inspect periodically for damage or leaks.
Incompatible materials	Incompatible with strong acids and bases.
Special packaging materials	Liquid-proof glass, plastic or non-corrodable metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures	General mechanical ventilation is sufficient for use with this product. Provide adequate cross air circulation. Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation).
Respiratory protection	Not required under normal conditions of handling. Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded.
Skin protection	Wear impervious gloves, such as neoprene or nitrile rubber.
Eye / face protection	Safety glasses with side shields should be used with this product. Chemical splash goggles are recommended.
Other protective equipment	Emergency showers and eyewash facilities should be nearby. Wear appropriate impermeable clothing to prevent prolonged and repeated skin contact.
General hygiene considerations	Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Appearance	Pale straw-colored liquid
Odor	Little or no odor.	Odor threshold	Not available.
pH	7.1	Specific gravity	1
Boiling point	100 °C	Coefficient of water/oil distribution	Not available.
Melting/Freezing point	0 °C		



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Vapor pressure (mmHg @ 20° C / 68° F)	Equal to water	Solubility in water	Complete
Vapor density (Air = 1)		Evaporation rate (n-Butyl acetate = 1)	Equal to water
Volatile organic Compounds (VOCs) (lbs/gal;g/l)	0 %	Volatiles (% by weight)	Not available.
Viscosity	Not available.		
Special Remarks On Fire Hazards	Not flammable under normal conditions of use.		

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity	Stable under normal conditions.
Hazardous polymerization	Will not occur.
Conditions to avoid	None reported by the manufacturer.
Materials To Avoid And Incompatibility	Incompatible with strong acids and oxidizing agents.
Hazardous decomposition products	Thermal decomposition products include: Ammonia.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	LC₅₀(4hr)		LD₅₀	
	<u>inh, rat</u>	<u>oral</u>	<u>dermal</u>	
Ammonium bromide	N/Av	2700 mg/kg	N/Av	
Toxicological data	Low order of toxicity for normal industrial handling.			
Carcinogenic status	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.			
Reproductive effects	Not expected to have other reproductive effects.			
Teratogenicity	Not expected to be a teratogen.			
Mutagenicity	Not expected to be mutagenic in humans.			
Reproductive Effects	Not expected to have other reproductive effects.			
Irritancy	May be mildly irritating to eyes, respiratory system and skin.			
Sensitization to material	Not expected to be a sensitizer.			
Synergistic materials	None known.			

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects	None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
Important environmental characteristics	None known or reported by the manufacturer.
Ecotoxicological	No data is available on the product itself.



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SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal
Methods of Disposal

See Section 7 (Handling and Storage) section for further details.
Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information: None					
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional Information: None					
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information: None					
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information: None					

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.
SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.



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Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: Not regulated.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration

References

Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.



Prepared for:

Rosco Laboratories Inc.

52 Harbor View Avenue
Stamford, CT, United States
06902

Telephone: (203) 708 8900

<http://http://www.rosco.com/>

Prepared by:

ICC The Compliance Center Inc.

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<http://www.thecompliancecenter.com>



DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: November 5, 2009

END OF DOCUMENT



FLEXBOND

MSDS No.:7500

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **FLEXBOND**

Product Use : Adhesive

Chemical Family : Not available.

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



Unregulated

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
No hazardous ingredients	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid. Opaque. Sweet odor. No special hazards exist with this product. As with any chemical substance, caution and care will prevent unnecessary accidents and safety problems. Read instructions on label before use.

POTENTIAL HEALTH EFFECTS

Target organs : None known.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* NO *Skin & Eyes:* YES *Ingestion:* YES

Potential acute health effects :

Eyes: None expected, when used as intended.

Skin: None expected, when used as intended.

Inhalation: None expected, when used as intended.

Ingestion: None expected, when used as intended.

Potential chronic health effects

: None expected, when used as intended.

Medical conditions aggravated by overexposure

: None known or reported by the manufacturer.

Additional health hazards : None reported by the manufacturer.

Potential environmental effects



FLEXBOND

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: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

- Inhalation** : Move to fresh air. If irritation persists, seek prompt medical attention.
Skin contact : Remove and wash contaminated clothing before re-use. Wash affected areas with soap and water.
Eye contact : Rinse immediately with plenty of water for at least 15 minutes. If irritation persists, seek prompt medical attention.
Ingestion : Do not induce vomiting without medical advice. Call a physician immediately. Clean mouth with water and drink afterwards plenty of water.
Notes For Physician : Low degree of toxicity.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling. This product will not burn, due to its water content.

Flammability classification (OSHA 29 CFR 1910.1200)

: Not flammable.

Flash point

: Not applicable.

Flash point Method

: Not applicable.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

: Not applicable.

Upper flammable limit (% by vol.)

: Not applicable.

Suitable extinguishing media

: Does not sustain combustion. Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment

: None reported by the manufacturer.

Hazardous combustion products

: None known or reported by the manufacturer.

Oxidizing properties

: None known or reported by the manufacturer.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Caution! Spilled material may be slippery. Use care to avoid falling. Wear suitable protective clothing (see Section 8).
Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
Spill response/cleanup : Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Water spray: Dilute with water. Flush any residue in the spill area with water. Dispose of rinse water in accordance with local and national regulations.
Containment : Transfer liquid to containers for recovery or disposal. Dispose of in accordance with local regulations.

SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Use and store in a cool, dry, well-ventilated area. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Do not ingest. Keep containers closed when not in use.
Storage requirements : Store in a cool, dry, well-ventilated area. Inspect periodically for damage or leaks.
Incompatible materials : Strong oxidizing agents
Special packaging materials : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.



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SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures

: Local exhaust is preferable. Use with adequate ventilation. Provide adequate cross air circulation. Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation).

Respiratory protection

: None required under normal conditions.

Skin protection

: Wear impervious gloves, such as neoprene or nitrile rubber.

Eye / face protection

: Use safety goggles. If splashing is anticipated, splash goggles and a face shield are recommended.

Other protective equipment

: Emergency showers and eyewash facilities should be nearby.

General hygiene considerations

: Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state

: Liquid.

Appearance

: Opaque.

Odor

: Sweet odor.

Odor threshold

: Not available.

pH

: Not available.

Boiling point

: 99 - 100 °C

Specific gravity

: 1.10

Melting/Freezing point

: -4 - 0 °C

Coefficient of water/oil distribution

: Not available.

Vapor pressure (mmHg @ 20° C / 68° F)

: Not available.

Solubility in water

: Appreciable. (10.0 - 99.9%)

Vapor density (Air = 1)

: Not available.

Evaporation rate (n-Butyl acetate = 1)

: Not available.

Volatile organic Compounds (VOC's) (lbs/gal;g/l)

: 0.0 lbs/gal

Volatiles (% by weight)

: Not available.

Viscosity

: Not available.

Special Remarks On Fire Hazards

: Not flammable under normal conditions of use.

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity

: Stable under normal conditions.

Hazardous polymerization

: Will not occur.

Conditions to avoid

: Not applicable.

Materials To Avoid And Incompatibility

: None reported by the manufacturer.

Hazardous decomposition products

: None reported by the manufacturer.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
No hazardous ingredients	N/Av	N/Av	N/Av

Toxicological data

: Low order of toxicity for normal industrial handling.

Carcinogenic status

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects

: Not expected to have other reproductive effects.

Teratogenicity

: Not expected to be a teratogen.



FLEXBOND

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- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : None expected, when used as intended.
- Sensitization to material** : Not expected to be sensitive to mechanical impact or static discharge.
- Synergistic materials** : None reported by the manufacturer.


SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.
 SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.



FLEXBOND

MSDS No.:7500

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US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:



Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: Not regulated.

This product and its components are sensitive to mechanical impact and static discharge. (duplicate) This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 - OTHER INFORMATION

- Legend** : ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
N/Ap: not applicable
N/Av: not available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
- References** : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

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Preparation Date: January 3, 2007

END OF DOCUMENT



FLUORESCENT PAINT

MSDS No.:5770, 5780 Series

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **FLUORESCENT PAINT**
 Fluorescent - White (No. 5779)
 Fluorescent - Red (No. 5780)
 Fluorescent - Yellow (No. 5782)
 Fluorescent - Green (No. 5783)
 Fluorescent - Blue (No. 5784)
 Fluorescent - Invisible Blue (No. 5785)
 Fluorescent - Pink (No. 5786)
 Fluorescent - Gold (No. 5787)

Product Use : Paint
Chemical Family : Mixture

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : *- Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
None reported	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear liquid. Invisible Blue, No. 5785: Milky, white liquid. May cause skin and eye irritation. No special hazards exist with this product. As with any chemical substance, caution and care will prevent unnecessary accidents and safety problems. Read instructions on label before use.

POTENTIAL HEALTH EFFECTS

Target organs : None reported by the manufacturer.
Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:* YES *Ingestion:* YES
Potential acute health effects :

Eyes: Causes eye irritation. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Possible severe irritation.



FLUORESCENT PAINT

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Skin: Irritating to skin. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.

Inhalation: Can cause irritation of the respiratory tract. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects: Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities.

Ingestion: Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects : intoxication.

Potential chronic health effects

: Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis.

Medical conditions aggravated by overexposure

: None expected, when used as intended.

Additional health hazards

: None reported by the manufacturer.

Potential environmental effects

: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

- Inhalation** : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.
- Skin contact** : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.
- Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Ingestion** : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.
- Notes For Physician** : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling. This product will not burn, due to its water content.

Flammability classification (OSHA 29 CFR 1910.1200)

: OSHA Combustible Liquid IIIB.

Flash point

: Not available.

Flash point Method

: Not applicable.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

: Not applicable.

Upper flammable limit (% by vol.)

: Not applicable.

Suitable extinguishing media

: Dry chemical, foam, carbon dioxide and water fog.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment

: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.

Hazardous combustion products

: Oxides of carbon, nitrogen, and sulphur. Oxygen. Acrid fumes, toxic gases.

Oxidizing properties

: None reported by the manufacturer.



FLUORESCENT PAINT

MSDS No.:5770, 5780 Series

MSDS Preparation Date: April 1, 2012

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions** : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.
- Environmental precautions** : Prevent product from entering drains, sewers, waterways and soil.
- Spill response/cleanup** : Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).
- Containment** : Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Containers should be grounded when pouring. Wear suitable protective equipment. Do not ingest. Keep out of direct sunlight.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue. Store out of direct sunlight.
- Incompatible materials** : Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.
- Special packaging materials** : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering measures** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment. Discharge exhaust only in area away from ignition sources.
- Respiratory protection** : Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Wear impervious gloves, such as neoprene or nitrile rubber.
- Eye / face protection** : Safety glasses with side-shields or chemical splash goggles.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.
- General hygiene considerations** : Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
- Appearance** : Clear liquid.
Milky, white liquid. (Invisible Blue, No. 5785)
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.



FLUORESCENT PAINT

MSDS No.:5770, 5780 Series

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- Boiling point** : 100 °C
- Melting/Freezing point** : Not available.
- Vapor pressure (mmHg @ 20° C / 68° F)** : 1.0 - 760
- Vapor density (Air = 1)** : Heavier than air.
- Volatile organic Compounds (VOC's) (lbs/gal;g/l)** : 0.46 / 55.48 (No.5779)
 0.68 / 82.18 (No.5780)
 0.76 / 91.92 (No.5782)
 0.68 / 82.07 (No.5783)
 0.70 / 84.34 (No.5784)
 0.69 / 83.61 (No.5785)
 0.61 / 73.87 (No.5786)
 0.68 / 81.97 (No.5787)
- Viscosity** : Not available.
- Special Remarks On Fire Hazards** : Not flammable under normal conditions of use. This product will not burn, due to its water content. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.
- Specific gravity** : 1.0 - 1.3
- Coefficient of water/oil distribution** : Not available.
- Solubility in water** : soluble
- Evaporation rate (n-Butyl acetate = 1)** : Slower than n-butyl acetate
- Volatiles (% by weight)** : 49.19 (No. 5779)
 48.13 (No. 5780, 5782-5784)
 71.2 (No. 5785)
 71.8 (No. 5786, 5787)

SECTION 10 - REACTIVITY AND STABILITY DATA

- Stability and reactivity** : Stable under normal conditions.
- Hazardous polymerization** : Will not occur.
- Conditions to avoid** : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Oxidizing agents. Do not freeze.
- Materials To Avoid And Incompatibility** : See Section 7 (Handling and Storage) section for further details.
- Hazardous decomposition products** : See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
None reported	N/Av	N/Av	N/Av

- Toxicological data** : Low order of toxicity for normal industrial handling.
- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Irritating to eyes, respiratory system and skin.
- Sensitization to material** : Not expected to be a sensitizer.
- Synergistic materials** : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.



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SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

All ingredients are listed on the TSCA Inventory, or are exempted materials.
 SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: D2B.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.



FLUORESCENT PAINT



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SECTION 16 - OTHER INFORMATION

- Legend** : ACGIH: American Conference of Governmental Industrial Hygienists
 IARC: International Agency for Research on Cancer
 N/Ap: not applicable
 N/Av: not available
 NIOSH: National Institute of Occupational Safety and Health
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
- References** : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: January 3, 2007



FLUORESCENT PAINT

MSDS No.:5781

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **FLUORESCENT PAINT**

Fluorescent Paint - Orange

Product Use : Paint

Chemical Family : Mixture

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: * 2 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Formaldehyde	50-00-0	0.1 - 1.0	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear liquid. Pungent odor. Causes skin and eye irritation. Harmful if inhaled or swallowed Possible sensitizer. Contains material which can cause cancer.

POTENTIAL HEALTH EFFECTS

Target organs : None reported by the manufacturer.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:* YES *Ingestion:* YES

Potential acute health effects :

Eyes: Causes eye irritation. Prolonged or repeated exposure may be harmful to health. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Possible severe irritation. Contains materials corrosive or severely irritating to the eyes. Temporary vision impairment (cloudy or blurred vision) is possible. Severe irritation, tissue damage, and possible blindness will result from direct contact.

Skin: Irritating to skin. May cause mild to moderate skin irritation. Prolonged or repeated exposure may be harmful to health. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.



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Inhalation: May cause irritation to upper respiratory system. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects : Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities.

Ingestion: Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects : intoxication, acidosis. Possible chemical burns to the mouth, throat and upper gastrointestinal tract. May cause liver and kidney damage.

Potential chronic health effects

: Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis. Prolonged exposure may result in neurological dysfunction. May cause skin sensitization. Contact dermatitis can result from prolonged overexposure. Allergic respiratory reactions to these materials are characterized by asthma-like symptoms such as chest tightness, wheezing, shortness of breath and coughing.

Medical conditions aggravated by overexposure

: None expected, when used as intended.

Additional health hazards

: Formaldehyde is a potential cancer hazard, a skin sensitizer and a respiratory sensitizer.

Potential environmental effects

: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

Inhalation : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.

Skin contact : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.

Ingestion : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.

Notes For Physician : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling. This product will not burn, due to its water content.

Flammability classification (OSHA 29 CFR 1910.1200)

: OSHA Combustible Liquid IIIB.

Flash point

: Not available.

Flash point Method

: Not applicable.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

: Not applicable.

Upper flammable limit (% by vol.)

: Not applicable.

Suitable extinguishing media

: Dry chemical, foam, carbon dioxide and water fog.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment

: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.



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Hazardous combustion products

: Oxides of carbon, nitrogen, and sulphur. Oxygen. Acrid fumes, toxic gases.

Oxidizing properties

: None reported by the manufacturer.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions

: All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.

Environmental precautions

: Prevent product from entering drains, sewers, waterways and soil.

Spill response/cleanup

: Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

Containment

: Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures

: Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Wear suitable protective equipment. Do not ingest. Keep out of direct sunlight.

Storage requirements

: Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue. Store out of direct sunlight.

Incompatible materials

: Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.

Special packaging materials

: Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures

: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment. Use non-sparking equipment. Discharge exhaust only in area away from ignition sources.

Respiratory protection

: Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Skin protection

: Gloves impervious to the material are recommended.

Eye / face protection

: Safety glasses with side-shields or chemical splash goggles.

Other protective equipment

: Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.

General hygiene considerations

: Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state

: Liquid.

Appearance

: Clear liquid.

Odor

: Sharp, penetrating odor.

Odor threshold

: Not available.



FLUORESCENT PAINT

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- pH : Not available.
- Boiling point : -19.39 °C
- Melting/Freezing point : Not available.
- Vapor pressure (mmHg @ 20° C / 68° F) : 1.0 - 760
- Vapor density (Air = 1) : Heavier than air.
- Volatile organic Compounds (VOC's) (lbs/gal;g/l) : 0.72 / 86.25
- Viscosity : Not available.
- Specific gravity : 1.07
- Coefficient of water/oil distribution : Not available.
- Solubility in water : Soluble
- Evaporation rate (n-Butyl acetate = 1) : Slower than n-butyl acetate
- Volatiles (% by weight) : 71.6
- Special Remarks On Fire Hazards : Not flammable under normal conditions of use. This product will not burn, due to its water content. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.

SECTION 10 - REACTIVITY AND STABILITY DATA

- Stability and reactivity : Stable under normal conditions.
- Hazardous polymerization : Will not occur.
- Conditions to avoid : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Oxidizing agents. Do not freeze.
- Materials To Avoid And Incompatibility : See Section 7 (Handling and Storage) section for further details.
- Hazardous decomposition products : See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
Formaldehyde	308 mg/m ³ /2H (rat), 250 ppm/2H (rat)	100 mg/kg (rat)	300 mg/kg (rabbit)

- Toxicological data : Low order of toxicity for normal industrial handling.
 - Carcinogenic status : Contains the following chemical(s) classified as ACGIH Group A2 (suspected human carcinogen): formaldehyde.
 Contains the following chemical(s) listed as Group I (Human Carcinogens) by IARC: formaldehyde.
 Contains the following chemical(s) listed as an Anticipated Carcinogen by NTP: formaldehyde.
 Contains the following chemical(s) listed as a carcinogen by OSHA: formaldehyde.
 - Reproductive effects : Not expected to have other reproductive effects.
 - Teratogenicity : Not expected to be a teratogen.
 - Mutagenicity : Contains a chemical or chemicals that may be mutagens. This product contains: formaldehyde.
 - Reproductive Effects : Not expected to have other reproductive effects.
 - Irritancy : Eyes, skin, respiratory system and digestive system. Formaldehyde is an eye and throat irritant and acute toxicant.
 - Sensitization to material : Skin and/or respiratory sensitizer.
 - Synergistic materials : The product contains an ingredient which may enhance the effect of other carcinogens. This product contains: formaldehyde.
- Components of the product may affect the nervous system.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects : None known or reported by the manufacturer.



FLUORESCENT PAINT

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Important environmental characteristics

: None known or reported by the manufacturer.

Ecotoxicological

: No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal

: See Section 7 (Handling and Storage) section for further details.

Methods of Disposal

: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

All ingredients are listed on the TSCA Inventory, or are exempted materials.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: formaldehyde.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): formaldehyde: 100 lb, 45.4 kg.

US State Right to Know Laws:

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and/or reproductive harm. This product contains: formaldehyde.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: D2A, D2B.



FLUORESCENT PAINT

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This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION

- Legend** : ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
N/Ap: not applicable
N/Av: not available
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
- References** : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: January 3, 2007

END OF DOCUMENT



Rosco Laboratories Inc.
 52 Harbor View Avenue
 Stamford, CT, USA, 06902
 Phone: (203) 708 8900

ROSCO FOG FLUID & ROSCO SMOKE SIMULATION FLUID

MSDS No.: ROS002

MSDS Preparation Date: April 15, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **ROSCO FOG FLUID & ROSCO SMOKE SIMULATION FLUID**

Product Use : Fog fluid

Chemical Family : Aqueous glycol solution

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



Unregulated

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Triethylene glycol	112-27-6	N/Av	N/Av	N/Av	N/Av	N/Av
1,3-Butylene glycol	107-88-0	N/Av	N/Av	N/Av	N/Av	N/Av
Propylene glycol	57-55-6	N/Av	10 mg/m3	N/Av	50 ppm(total) ; 10 mg/m3 (aerosol)	N/Av
Deionized water	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

* Note: The ACGIH TLV listed above for the following ingredient(s) is an AIHA WEEL: Propylene glycol.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Green liquid. Faint odor. No special hazards exist with this product. As with any chemical substance, caution and care will prevent



ROSCO FOG FLUID & ROSCO SMOKE SIMULATION FLUID

MSDS No.:ROS002

MSDS Preparation Date: April 15, 2012

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Inhalation: Can cause irritation of the respiratory tract. Persons suffering from asthma or reactive airway disorders may experience asthma-like effects from exposure to this material.

Ingestion: Not an expected route of entry. Ingestion of large amounts may cause nausea, vomiting, diarrhea, as well as depression of the central nervous system.

Potential chronic health effects

: None reported by the manufacturer.

Medical conditions aggravated by overexposure

: Pre-existing skin and respiratory disorders.

Additional health hazards : None reported by the manufacturer.

Potential environmental effects

: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

Inhalation : Inhalation problems are not anticipated. Remove exposed person to fresh air if adverse effects, such as breathing difficulty arise. If irritation persists, seek prompt medical attention.

Skin contact : Flush skin with large amounts of water. Wash affected areas with soap and water. Remove and wash contaminated clothing before re-use. Obtain medical attention if symptoms develop and persist.

Eye contact : If in eyes, rinse with water for 15 minutes. Lift upper and lower lids during flushing to ensure complete removal of chemical. If irritation persists, seek prompt medical attention.

Ingestion : Ingestion of large amounts may be harmful. Keep at rest. Seek immediate medical attention/advice.

Notes For Physician : Low degree of toxicity. Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling.

Flammability classification (OSHA 29 CFR 1910.1200)

: Not flammable.

Flash point : Not available.

Flash point Method : Not available.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

: Not available.

Upper flammable limit (% by vol.)

: Not available.

Suitable extinguishing media

: Extinguishing media - large fires: Non-flammable aqueous liquid, all-purpose foam
Extinguishing media - small fires: Carbon dioxide (CO₂) , Dry chemical.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment

: None reported by the manufacturer.

Hazardous combustion products

: Oxides of carbon.

Oxidizing properties

: None known or reported by the manufacturer.



Containment : Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures : Do not ingest. Do not inhale aerosol. Avoid contact with skin and eyes. Keep containers tightly closed when not in use. Use with adequate ventilation. Avoid breathing vapors.

Storage requirements : Store in a cool, dry, well-ventilated area. Inspect periodically for damage or leaks. Do not store near any incompatible materials (see Section 10). Do not freeze. Keep container tightly closed when not in use.

Incompatible materials : Strong oxidizing agents and acids.

Special packaging materials : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures : General mechanical ventilation is sufficient for use with this product.

Respiratory protection : None required under normal conditions.

Skin protection : None required under normal conditions. Gloves of natural rubber or polyvinyl chloride-coated gloves are recommended.

Eye / face protection : None required under normal conditions. If splashing might occur, wear eye protection such as safety glasses with side shields.

Other protective equipment : Emergency showers and eyewash facilities should be nearby.

General hygiene considerations : Wash hands before breaks and immediately after handling the product. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid.	Appearance : Green liquid.
Odor : Faint odor.	Odor threshold : Not available.
pH : 7.0 (approximately)	
Boiling point : 100-243 °C	Specific gravity : 1.12 (approximately)
Melting/Freezing point : Not available.	Coefficient of water/oil distribution : Not available.
Vapor pressure (mmHg @ 20° C / 68° F) : 8.4 (approximately)	Solubility in water : soluble
Vapor density (Air = 1) : 2.9	Evaporation rate (n-Butyl acetate = 1) : 0.01
Volatile organic Compounds (VOC's) (lbs/gal; g/l) : Not available.	Volatiles (% by weight) : Not available.
Viscosity : Not available.	

Special Remarks On Fire Hazards



ROSCO FOG FLUID & ROSCO SMOKE SIMULATION FLUID

MSDS No.: ROS002

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: None.

SECTION 11 - TOXICOLOGICAL INFORMATION

Ingredients	LC₅₀(4hr) inh. rat	LD₅₀	
		oral	dermal
Triethylene glycol	N/Av	12,800 mg/kg (rat)	22,460 mg/kg (rabbit)
1,3-Butylene glycol	N/Av	18610 mg/kg (rat)	> 20000 mg/kg (rabbit)
Propylene glycol	N/Av	20,000 mg/kg (rat)	20,800 mg/kg (rabbit)
Deionized water	N/Av	>90 mL/kg (rat)	N/Av

- Toxicological data** : Low order of toxicity for normal industrial handling.
- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Direct contact may cause mild eye irritation. Possible inhalation irritant. Irritating to skin.
- Sensitization to material** : Not expected to be a sensitizer.
- Synergistic materials** : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Contact waste disposal services. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	



Rosco Laboratories Inc.

52 Harbor View Avenue
Stamford, CT, USA, 06902
Phone: (203) 708 8900

ROSCO FOG FLUID & ROSCO SMOKE SIMULATION FLUID

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ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: Not regulated.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- IARC: International Agency for Research on Cancer
- N/Ap: not applicable
- N/Av: not available
- NIOSH: National Institute of Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration

References

- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

Prepared for:

Rosco Laboratories Inc.
52 Harbor View Avenue
Stamford, CT, USA, 06902
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ROSCO FOG FLUID & ROSCO SMOKE SIMULATION FLUID

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DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: April 15, 2012

END OF DOCUMENT

RoscoGlo

MSDS No.:5665

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : RoscoGlo

Product Use : Paint

Chemical Family : Mixture.

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
Stamford, CT, United States
06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: * 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



POISON



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Zinc stearate	557-05-1	30.0 - 60.0	N/Av	N/Av	5 mg/m3 (respirable); 15 mg/m3 (total dust)	N/Av
2-Butoxyethanol (Glycol Ether)	111-76-2	1.0 - 5.0	20 ppm	N/Av	50 ppm (240 mg/m3) (skin)	N/Av
Silica, crystalline-quartz	14808-60-7	0.1 - 1.0	0.025 mg/m3	N/Av	(10)/(%SiO2 + 2) mg/m3	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid. Yellow-green. Causes skin and eye irritation. Harmful if inhaled or swallowed Contains material which can cause cancer.

POTENTIAL HEALTH EFFECTS

Target organs : Eyes, skin, respiratory system.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:* YES *Ingestion:* YES

Potential acute health effects :

Eyes: Causes eye irritation. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Possible severe irritation.

Skin: Irritating to skin. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.



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Inhalation: Can cause irritation of the respiratory tract. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects: Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities. Very toxic in particulate form upon inhalation. May result in unconsciousness and possibly death.

Ingestion: This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects: intoxication. May cause central nervous system depression.

Potential chronic health effects

: Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis. Contains crystalline silica; prolonged exposure by inhalation of particles can cause serious lung damage, including silicosis.

Medical conditions aggravated by overexposure

: None expected, when used as intended.

Additional health hazards

: Exposure to respirable silica is not possible under normal conditions of use. Crystalline Silica has been classified as a carcinogen in dry powder form only.

Potential environmental effects

: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

Inhalation : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.

Skin contact : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.

Ingestion : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.

Notes For Physician : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling. This product will not burn, due to its water content.

Flammability classification (OSHA 29 CFR 1910.1200)

: OSHA Combustible Liquid IIIB.

Flash point

: Not available.

Flash point Method

: Not applicable.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

: Not applicable.

Upper flammable limit (% by vol.)

: Not applicable.

Suitable extinguishing media

: Dry chemical, foam, carbon dioxide and water fog.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment

: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.

Hazardous combustion products

: Oxides of carbon, nitrogen, and sulphur. Oxygen. Acrid fumes, toxic gases.



Oxidizing properties : None reported by the manufacturer.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions** : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.
- Environmental precautions** : Prevent product from entering drains, sewers, waterways and soil.
- Spill response/cleanup** : Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).
- Containment** : Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Wear suitable protective equipment. Do not ingest.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue.
- Incompatible materials** : Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.
- Special packaging materials** : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering measures** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Provide adequate cross air circulation. Ensure fresh air during application and drying (for example, by opening all windows and doors or using mechanical ventilation). Use explosion-proof equipment. Discharge exhaust only in area away from ignition sources.
- Respiratory protection** : Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Gloves impervious to the material are recommended.
- Eye / face protection** : Safety glasses with side-shields or chemical splash goggles.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.
- General hygiene considerations** : Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|-----------------------|--------------------|-------------------------|------------------|
| Physical state | : Liquid. | Appearance | : Yellow-green |
| Odor | : Not available. | Odor threshold | : Not available. |
| pH | : Not available. | | |
| Boiling point | : 100 °C -168.3 °C | Specific gravity | : 1.76 |



RoscoGlo

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Melting/Freezing point : Not available.

Coefficient of water/oil distribution

: Not available.

Vapor pressure (mmHg @ 20° C / 68° F)

: 0.6 -760

Solubility in water

: Soluble.

Vapor density (Air = 1)

: Heavier than air.

Evaporation rate (n-Butyl acetate = 1)

: Slower than n-butyl acetate

Volatile organic Compounds (VOC's) (lbs/gal;g/l)

: 0.18 / 22.43

Volatiles (% by weight)

: 32.19

Viscosity

: Not available.

Special Remarks On Fire Hazards

: Not flammable under normal conditions of use. This product will not burn, due to its water content. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under normal conditions.

Hazardous polymerization : Will not occur.

Conditions to avoid : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep away from oxidizing agents and incompatibles.

Materials To Avoid And Incompatibility

: See Section 7 (Handling and Storage) section for further details.

Hazardous decomposition products

: See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

Ingredients	LC50(4hr) inh, rat	LD50	
		oral	dermal
Zinc stearate	N/Av	>10,000 mg/kg	N/Av
2-Butoxyethanol (Glycol Ether)	450 ppm/4H (rat)	470 mg/kg (rat); 320 mg/kg (rabbit)	400 mg/kg (rabbit)
Silica, crystalline-quartz	N/Av	N/Av	N/Av

Toxicological data : Low order of toxicity for normal industrial handling.

Carcinogenic status : Contains Crystalline silica. Crystalline silica is classified as carcinogenic by IARC (Group 1), the ACGIH (Category A2) and the NTP (Group 1 - Known human carcinogen). Crystalline Silica has been classified as a carcinogen in dry powder form only. Exposure to respirable silica is not possible under normal conditions of use.

Reproductive effects : Not expected to have other reproductive effects.

Teratogenicity : Not expected to be a teratogen.

Mutagenicity : Not expected to be mutagenic in humans.

Reproductive Effects : Not expected to have other reproductive effects.

Irritancy : Irritating to eyes, respiratory system and skin.

Sensitization to material : Not expected to be a sensitizer.

Synergistic materials : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects : None known or reported by the manufacturer.

Important environmental characteristics

: None known or reported by the manufacturer.

Ecotoxicological

: No data is available on the product itself.



RoscoGlo

MSDS No.:5665

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SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal : See Section 7 (Handling and Storage) section for further details.
Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

All ingredients are listed on the TSCA Inventory, or are exempted materials.
 SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and/or reproductive harm. This product contains: Crystalline silica.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA): All ingredients are listed on the DSL, or are exempted materials.
 Canadian WHMIS Classification: D1A, D2A, D2B.
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION



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- Legend**
- : ACGIH: American Conference of Governmental Industrial Hygienists
 - : IARC: International Agency for Research on Cancer
 - : N/Ap: not applicable
 - : N/Av: not available
 - : NIOSH: National Institute of Occupational Safety and Health
 - : NTP: National Toxicology Program
 - : OSHA: Occupational Safety and Health Administration

- References**
- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

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Preparation Date: January 3, 2007

END OF DOCUMENT



VIVID FX

MSDS No.:6200 Series

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **VIVID FX**
 Vivid FX Bright White (No. 6250)
 Vivid FX Orange Sunset (No.6252)
 Vivid FX Magenta (No.6256)
 Vivid FX Violet (No.6257)
 Vivid FX Deep Blue (No.6258)
 Vivid FX Brilliant Blue (No. 6259)
 Vivid FX Aquamarine (No.6260)
 Vivid FX Deep Green (No.6262)

Product Use : Paint

Chemical Family : Mixture.

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
 Stamford, CT, United States
 06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : *- Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
No hazardous ingredients	N/A-v	N/Av	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid in multiple colors. No special hazards exist with this product. As with any chemical substance, caution and care will prevent unnecessary accidents and safety problems. Read instructions on label before use.

POTENTIAL HEALTH EFFECTS

Target organs : None reported by the manufacturer.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:*YES *Ingestion:* YES

Potential acute health effects :

Eyes: Causes eye irritation. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Possible severe irritation.

Skin: Irritating to skin. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.



VIVID FX

MSDS No.:6200 Series

MSDS Preparation Date: April 1, 2012

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Inhalation: Can cause irritation of the respiratory tract. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects : Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities.

Ingestion: Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects : intoxication.

Potential chronic health effects

: Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis.

Medical conditions aggravated by overexposure

: None expected, when used as intended.

Additional health hazards

: None reported by the manufacturer.

Potential environmental effects

: None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

- Inhalation** : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.
- Skin contact** : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.
- Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Ingestion** : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.
- Notes For Physician** : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Not flammable under normal conditions of handling. This product will not burn, due to its water content.

Flammability classification (OSHA 29 CFR 1910.1200)

: OSHA Combustible Liquid IIIB.

Flash point

: Not applicable.

Flash point Method

: Not applicable.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

: Not applicable.

Upper flammable limit (% by vol.)

: Not applicable.

Suitable extinguishing media

: Dry chemical, foam, carbon dioxide and water fog.

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment

: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.

Hazardous combustion products

: Oxides of carbon, nitrogen, and sulphur. Oxygen. Acrid fumes, toxic gases.

Oxidizing properties

: None reported by the manufacturer.



SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions** : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.
- Environmental precautions** : Prevent product from entering drains, sewers, waterways and soil.
- Spill response/cleanup** : Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).
- Containment** : Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Wear suitable protective equipment. Do not ingest. Keep out of direct sunlight.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue. Store out of direct sunlight. Do not store near acids or acid-based products. Do not store in metal containers. When metal sprayers are used, they should be thoroughly cleaned immediately after use, including nozzles and accessories. Avoid use of metal buckets or paint containers when possible.
- Incompatible materials** : Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.
- Special packaging materials** : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering measures** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment. Discharge exhaust only in area away from ignition sources.
- Respiratory protection** : Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Gloves impervious to the material are recommended.
- Eye / face protection** : Safety glasses with side-shields or chemical splash goggles.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.
- General hygiene considerations** : Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|-------------------------------|------------------|--|------------------------------|
| Physical state | : Liquid. | Appearance | : Liquid in multiple colors. |
| Odor | : Not available. | Odor threshold | : Not available. |
| pH | : Not available. | | |
| Boiling point | : 100 °C | Specific gravity | : 1.0 - 1.1 |
| Melting/Freezing point | : Not available. | Coefficient of water/oil distribution | |



VIVID FX

MSDS No.:6200 Series

MSDS Preparation Date: April 1, 2012

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Vapor pressure (mmHg @ 20° C / 68° F) : Not available.
 : 0.6 - 29.3
 1.0 (No. 6258)

Solubility in water : Soluble

Vapor density (Air = 1) : Heavier than air.

Evaporation rate (n-Butyl acetate = 1)
 : Slower than n-butyl acetate

Volatile organic Compounds (VOC's) (lbs/gal;g/l) : 71.96
 : 0.72/86.8 (No.6250)
 0.41/49.20 (No.6252)
 0.44/52.43 (No.6256)
 0.46/55.67 (No.6257)
 0.59/70.98 (No.6258)
 0.40/48.14 (No.6259)
 0.41/49.50
 (No.6260/6262)

Volatiles (% by weight) : 54.4 (No. 6262)

Viscosity : Not available.

Special Remarks On Fire Hazards
 : Not flammable under normal conditions of use. This product will not burn, due to its water content. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under normal conditions.

Hazardous polymerization : Will not occur.

Conditions to avoid : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Oxidizing agents. Do not freeze.

Materials To Avoid And Incompatibility
 : See Section 7 (Handling and Storage) section for further details.

Hazardous decomposition products
 : See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Ingredients</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>oral</u>	<u>dermal</u>
No hazardous ingredients	N/Av	N/Av	N/Av

Toxicological data : Low order of toxicity for normal industrial handling.

Carcinogenic status : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects : Not expected to have other reproductive effects.

Teratogenicity : Not expected to be a teratogen.

Mutagenicity : Not expected to be mutagenic in humans.

Reproductive Effects : Not expected to have other reproductive effects.

Irritancy : Eyes, skin, respiratory system and digestive system.

Sensitization to material : Not expected to be a sensitizer.

Synergistic materials : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects : None known or reported by the manufacturer.

Important environmental characteristics
 : None known or reported by the manufacturer.

Ecotoxicological : No data is available on the product itself.



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MSDS No.:6200 Series

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SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal : See Section 7 (Handling and Storage) section for further details.
Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

All ingredients are listed on the TSCA Inventory, or are exempted materials.
 SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: D2B.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION



VIVID FX



MSDS No.:6200 Series

MSDS Preparation Date: April 1, 2012

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- Legend**
- : ACGIH: American Conference of Governmental Industrial Hygienists
 - : IARC: International Agency for Research on Cancer
 - : N/Ap: not applicable
 - : N/Av: not available
 - : NIOSH: National Institute of Occupational Safety and Health
 - : NTP: National Toxicology Program
 - : OSHA: Occupational Safety and Health Administration

- References**
- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: January 3, 2007



VIVID FX

MSDS No.:6251, 6253, 6254, 6255, 6261

MSDS Preparation Date: April 1, 2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **VIVID FX**
Vivid FX Lemon Yellow (No.6251)
Vivid FX Scarlet Red (No.6254)
Vivid FX Orange (No.6253)
Vivid FX Hot Pink (No.6255)
Vivid FX Electric Green (No.6261)

Product Use : Paint

Chemical Family : Mixture

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
Stamford, CT, United States
06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: * 1 *Flammability:* 0 *Reactivity:* 0

WHMIS Classes:



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS



VIVID FX

MSDS No.:6251, 6253, 6254, 6255, 6261

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Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
Vivid FX Electric Green						
Silica, crystalline-cristobalite	14464-46-1	1.0 - 5.0	0.025 mg/m3	N/Av	N/Av	N/Av
Formaldehyde	50-00-0	0.1 - 1.0	N/Av	N/Av	N/Av	N/Av
Vivid FX Hot Pink						
Lead	7439-92-1	0.1 - 1.0	0.05 mg/m3	N/Av	0.05 mg/m3	N/Av
Arsenic	7440-38-2	0.1 - 1.0	0.01 mg/m3 (As)	N/Av	0.5 mg/m3 (As)	N/Av
Cadmium	7440-43-9	0.1 - 1.0	0.01 mg/m3; 0.002 mg/m3	N/Av	0.1 mg/m3	N/Av
Chromium	7440-47-3	0.1 - 1.0	0.5 mg/m3 (Metal and Cr III compounds); 0.05 mg/m3 (Water-soluble Cr VI compounds); 0.01 mg/m3 (Insoluble CR VI compounds)	N/Av	1 mg/m3	N/Av
Vivid FX Lemon Yellow, Vivid FX Scarlet Red						
Lead	7439-92-1	0.1 - 1.0	0.05 mg/m3	N/Av	0.05 mg/m3	N/Av
Mercury alkyl compounds	7439-97-6	0.1 - 1.0	0.01 mg/m3 (alkyl); 0.1 mg/m3 (aryl); 0.025 mg/m3 (elemental and inorganic)	0.03 mg/m3 (alkyl)	N/Av	N/Av
Arsenic	7440-38-2	0.1 - 1.0	0.01 mg/m3 (As)	N/Av	0.5 mg/m3 (As)	N/Av
Cadmium	7440-43-9	0.1 - 1.0	0.01 mg/m3; 0.002 mg/m3	N/Av	0.1 mg/m3	N/Av
Chromium	7440-47-3	0.1 - 1.0	0.5 mg/m3 (Metal and Cr III compounds); 0.05 mg/m3 (Water-soluble Cr VI compounds); 0.01 mg/m3 (Insoluble CR VI compounds)	N/Av	1 mg/m3	N/Av
Vivid FX Orange						



VIVID FX

MSDS No.:6251, 6253, 6254, 6255, 6261

MSDS Preparation Date: April 1, 2012

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Chromium	7440-47-3	1.0 - 5.0	0.5 mg/m3 (Metal and Cr III compounds); 0.05 mg/m3 (Water- soluble Cr VI compounds); 0.01 mg/m3 (Insoluble CR VI compounds)	N/Av	1 mg/m3	N/Av
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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid in multiple colors. No.6251, 6254,6255: Warning. Contains lead. Harmful if inhaled or swallowed Irritating to eyes, respiratory system and skin. Contains material which can cause cancer. Contains material which can cause damage to the blood system, the liver and the kidneys. Contains material which may be a teratogen.

POTENTIAL HEALTH EFFECTS

Target organs : No.6261:Contains material which can cause damage to the blood system, the liver and the kidneys.

No. 6251, 6254, 6255: Eyes, skin, respiratory system, central nervous system, blood system, liver, brain and kidneys.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:*YES *Ingestion:* YES

Potential acute health effects :

Eyes: Causes eye irritation. Prolonged or repeated exposure may be harmful to health. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Possible severe irritation.

Skin: Irritating to skin. Prolonged or repeated exposure may be harmful to health. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.

Inhalation: Can cause irritation of the respiratory tract. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects : Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities.

Ingestion: Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects : intoxication.

Potential chronic health effects

: Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis. No. 6261: Contains crystalline silica; prolonged exposure by inhalation of particles can cause serious lung damage, including silicosis. Formaldehyde is a potential cancer hazard, a skin sensitizer and a respiratory sensitizer. Allergic respiratory reactions to these materials are characterized by asthma-like symptoms such as chest tightness, wheezing, shortness of breath and coughing.

No.6251, 6254, 6255: Overexposure to lead dust and fumes adversely affects blood and blood forming tissues, kidneys, liver and the central/peripheral nervous systems and male/female reproductive organs. Overexposure to lead may adversely affect nerve system, blood system, heart and eyes. May cause: Dermatitis, chronic bronchitis, tooth enamel erosion, and possible damage to the reproductive system, nervous system, kidneys, and liver.

Medical conditions aggravated by overexposure

: None expected, when used as intended.



VIVID FX

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Additional health hazards : No.6261: Exposure to respirable silica is not possible under normal conditions of use. Crystalline Silica has been classified as a carcinogen in dry powder form only. Contains lead and lead compounds. Prolonged overexposure may result in lead toxicity syndrome which may result in permanent damage or death.

Potential environmental effects : None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

Inhalation : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.

Skin contact : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.

Ingestion : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.

Notes For Physician : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability : Not flammable under normal conditions of handling. This product will not burn, due to its water content.

Flammability classification (OSHA 29 CFR 1910.1200) : OSHA Combustible Liquid IIIB.

Flash point : Not applicable.

Flash point Method : Not applicable. **Auto-ignition temperature** : Not available.

Lower flammable limit (% by vol.) : Not applicable. **Upper flammable limit (% by vol.)** : Not applicable.

Suitable extinguishing media : Dry chemical, foam, carbon dioxide and water fog.

Explosion data: Sensitivity to mechanical impact / static discharge : Not expected to be sensitive to mechanical impact or static discharge.

Special fire-fighting procedures/equipment : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.

Hazardous combustion products : Oxides of carbon, nitrogen, and sulphur. Oxygen. Acrid fumes, toxic gases, oxides of metals.

Oxidizing properties : None reported by the manufacturer.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.

Environmental precautions : Prevent product from entering drains, sewers, waterways and soil.

Spill response/cleanup : Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

Containment : Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.



SECTION 7 - HANDLING AND STORAGE

- Safe Handling procedures** : Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Wear suitable protective equipment. Do not ingest. Keep out of direct sunlight.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue. Store out of direct sunlight. Do not store near acids or acid-based products. Do not store in metal containers. When metal sprayers are used, they should be thoroughly cleaned immediately after use, including nozzles and accessories. Avoid use of metal buckets or paint containers when possible.
- Incompatible materials** : Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.
- Special packaging materials** : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Ventilation and engineering measures** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment. Discharge exhaust only in area away from ignition sources.
- Respiratory protection** : Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Gloves impervious to the material are recommended.
- Eye / face protection** : Safety glasses with side-shields or chemical splash goggles.
- Other protective equipment** : Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.
- General hygiene considerations** : Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|---|---|
| Physical state : Liquid. | Appearance : Multiple colors. |
| Odor : Not available. | Odor threshold : Not available. |
| pH : Not available. | |
| Boiling point : 100 °C
-19.39 - 100 °C
(No.6261) | Specific gravity : 1.1 |
| Melting/Freezing point : Not available. | Coefficient of water/oil distribution : Not available. |
| Vapor pressure (mmHg @ 20° C / 68° F) : 0.6 -29.3 (No.6251, 6254,6253)
0.6 (No. 6255, 6261) | Solubility in water : Soluble |
| Vapor density (Air = 1) : Heavier than air. | Evaporation rate (n-Butyl acetate = 1) : Slower than n-butyl acetate |



VIVID FX

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Volatile organic Compounds (VOC's) (lbs/gal;g/l) : 0.45 / 54.07 (No.6251)
0.45 / 55.00 (No.6254)
0.41 / 49.51 (No.6253)
0.45 / 53.83 (No.6255)
0.45 / 54.57 (No.6261)

Volatiles (% by weight) : 71.96 (No.6251, 6254,6255, 6261)
54.4 (No.6253)

Viscosity : Not available.

Special Remarks On Fire Hazards

: Not flammable under normal conditions of use. This product will not burn, due to its water content. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under normal conditions.

Hazardous polymerization : Will not occur.

Conditions to avoid : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Oxidizing agents. Do not freeze.

Materials To Avoid And Incompatibility : See Section 7 (Handling and Storage) section for further details.

Hazardous decomposition products : See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

Ingredients	LC₅₀(4hr) inh, rat	LD₅₀	
		oral	dermal
Vivid FX Electric Green			
Silica, crystalline-cristobalite	N/Av	N/Av	N/Av
Formaldehyde	308 mg/m ³ /2H (rat), 250 ppm/2H (rat)	100 mg/kg (rat)	300 mg/kg (rabbit)
Vivid FX Hot Pink			
Lead	N/Av	N/Av	N/Av
Arsenic	N/Av	145 mg/kg (mouse); 763 mg/kg (rat)	N/Av
Cadmium	28.4 mg/m ³ /4 hr (rat)	2300 mg/kg (rat)	N/Av
Chromium	N/Av	N/Av	N/Av
Vivid FX Lemon Yellow, Vivid FX Scarlet Red			
Lead	N/Av	N/Av	N/Av
Mercury alkyl compounds	19.1 mg/m ³ /4H (rat)	N/Av	N/Av
Arsenic	N/Av	145 mg/kg (mouse); 763 mg/kg (rat)	N/Av
Cadmium	28.4 mg/m ³ (rat)	2330 mg/kg (rat)	N/Av
Chromium	N/Av	N/Av	N/Av
Vivid FX Orange			
Chromium	N/Av	N/Av	N/Av

Toxicological data : Contains lead and lead compounds. Prolonged overexposure may result in lead toxicity syndrome which may result in permanent damage or death.



VIVID FX

MSDS No.:6251, 6253, 6254, 6255, 6261

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- Carcinogenic status** : No.6261:Contains crystalline silica. Crystalline silica is classified as carcinogenic by IARC (Group 1), the ACGIH (Category A2) and the NTP (Group 1 - Known human carcinogen). Contains crystalline silica; prolonged exposure by inhalation of particles can cause serious lung damage, including silicosis. Crystalline Silica has been classified as a carcinogen in dry powder form only.
Contains the following chemical(s) listed as an Anticipated Carcinogen by NTP: Formaldehyde.
Contains the following chemical(s) listed as Group I (Human Carcinogens) by IARC: Formaldehyde.
Contains the following chemical(s) classified as ACGIH Group A2 (suspected human carcinogen): Formaldehyde.
- No.6251, 6254, 6255: Contains the following chemical rated as Group 2B by IARC: Lead
Contains the following chemicals listed as confirmed animal carcinogens (A3) by ACGIH: Lead .
Contains the following chemical(s) listed as an Anticipated Carcinogen by NTP: Lead.
Contains the following chemical classified as ACGIH Group A1 (confirmed human carcinogen): Arsenic.
Contains the following chemical(s) listed as Group I (Human Carcinogens) by IARC: Arsenic, Cadmium.
Contains the following chemical(s) listed as Known Carcinogen by NTP: Arsenic, Cadmium.
Contains the following chemical(s) classified as ACGIH Group A2 (suspected human carcinogen): Cadmium.
- Reproductive effects** : No.6255:Contains a chemical or chemicals which may cause male and/or female reproductive toxicity. This product contains: Lead, Cadmium.
No.6251, 6254: Contains a chemical or chemicals which may cause male and/or female reproductive toxicity. This product contains: Lead, Mercury, Cadmium.
- Teratogenicity** : No. 6251, 6254: Contains a chemical or chemicals which may be teratogenic. This product contains: Lead, Mercury, Arsenic.
No.6255: Contains a chemical or chemicals which may be teratogenic. This product contains: Lead, Arsenic.
- Mutagenicity** : No.6255:Contains a chemical or chemicals that may be mutagens. This product contains: Lead, cadmium.
No.6251, 6254: Contains a chemical or chemicals that may be mutagens. This product contains: Lead, Mercury, cadmium.
- Reproductive Effects** : No.6255:Contains a chemical or chemicals which may cause male and/or female reproductive toxicity. This product contains: Lead, Cadmium.
No.6251, 6254: Contains a chemical or chemicals which may cause male and/or female reproductive toxicity. This product contains: Lead, Mercury, Cadmium.
- Irritancy** : Eyes, skin, respiratory system and digestive system.
- Sensitization to material** : Formaldehyde is a potential cancer hazard, a skin sensitizer and a respiratory sensitizer. (No.6261)
Contains a chemical or chemicals which may cause skin sensitization. This product contains: Mercury (No.6251, 6254, 6255), chromium (No.6251, 6254, 6253, 6255).
- Synergistic materials** : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.



VIVID FX

MSDS No.:6251, 6253, 6254, 6255, 6261

MSDS Preparation Date: April 1, 2012

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SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				
ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

All ingredients are listed on the TSCA Inventory, or are exempted materials.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: Formaldehyde (No.6261); Lead, Arsenic, Cadmium (No.6251, 6254, 6255).

US State Right to Know Laws:

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and/or reproductive harm. This product contains: Formaldehyde; Silica, crystalline-Cristobalite (No.6261); Lead, Mercury, Arsenic, Cadmium, chromium (No.6251, 6254); Lead, Arsenic, Cadmium, chromium (No.6255); chromium (No. 6253) .

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: D2B (No.6253); D2A, D2B (No.6261, 6251, 6254, 6255).

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16 - OTHER INFORMATION



VIVID FX



MSDS No.:6251, 6253, 6254, 6255, 6261

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- Legend**
- : ACGIH: American Conference of Governmental Industrial Hygienists
 - IARC: International Agency for Research on Cancer
 - N/Ap: not applicable
 - N/Av: not available
 - NIOSH: National Institute of Occupational Safety and Health
 - NTP: National Toxicology Program
 - OSHA: Occupational Safety and Health Administration

- References**
- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

DISCLAIMER OF LIABILITY

Every effort has been made to ensure that the safety information on this sheet is accurate, but because Rosco Laboratories, Inc. has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties, including implied warranties of merchantability or fitness for a particular purpose. Rosco Laboratories, Inc. assumes no liability for injury or incidental or consequential damages arising out of storage, handling or use of this product.

Preparation Date: January 3, 2007

END OF DOCUMENT

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: ACCENT HP 6PK SATIN IVORY SILK Revision Date: 05/03/2011
 Identification Number: 7947730
 Product Use/Class: Topcoat/ Waterbased Acrylic
 Supplier: Rust-Oleum Corporation Manufacturer: Rust-Oleum Corporation
 11 Hawthorn Parkway 11 Hawthorn Parkway
 Vernon Hills, IL 60061 Vernon Hills, IL 60061
 USA USA
 Preparer: Regulatory Department

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than			OSHA PEL TWA	OSHA PEL CEILING
		ACGIH TLV-TWA	ACGIH TLV-STEL			
Titanium Dioxide	13463-67-7	15.0	10 mg/m3	N.E.	15 mg/m3 (Total Dust)	N.E.
Dipropylene Glycol Monobutyl Ether	29911-28-2	5.0	N.E.	N.E.	N.E.	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Harmful if swallowed. Causes eye irritation. Vapors irritating to eyes and respiratory tract. Combustible liquid and vapor.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: May cause skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. May cause headaches and dizziness. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 182 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire And Explosion Hazards: Keep containers tightly closed.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 - Handling And Storage

Handling: Avoid contact with eyes. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist. Wash thoroughly after handling. Wash hands before eating.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air

purifying respirators may not provide adequate protection.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Vapor Density:	Heavier than Air	Odor:	Ammonia Like
Appearance:	Liquid	Evaporation Rate:	Slower than Ether
Solubility in H ₂ O:	Miscible	Freeze Point:	N.D.
Specific Gravity:	1.172	pH:	N.D.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

Hazardous Decomposition: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Chemical Name	LD50	LC50
Titanium Dioxide	>7500 mg/kg (Rat, Oral)	N.E.
Dipropylene Glycol Monobutyl Ether	4400 mg/kg (Rat, Oral)	N.E.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Paint, Not Regulated	Paint, Not Regulated	Paint, Not Regulated
Hazard Class:	N.A.	N.A.	N.A.
UN Number:	N.A.	N.A.	N.A.
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	No	No

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS Number
Water	7732-18-5
Modified Acrylic Copolymer	PROPRIETARY
Limestone	1317-65-3
Propylene Glycol	57-55-6

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS Number
Water	7732-18-5
Modified Acrylic Copolymer	PROPRIETARY
Limestone	1317-65-3

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: B3 D2A D2B

Section 16 - Other Information**HMIS Ratings:**

Health: 2* Flammability: 2 Reactivity: 0 Personal Protection: X

NFPA Ratings:

Health: 2 Flammability: 2 Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 173

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: PTOUCH 2X +SSPR 6PK FLAT BLACK
Revision Date: 06/15/2011

Identification Number: 249127

Product Use/Class: Topcoat/Aerosol

Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Regulatory Department

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less			OSHA PEL-TWA	OSHA PEL CEILING
		Than	ACGIH TLV-TWA	ACGIH TLV-STEL		
Acetone	67-64-1	35.0	500 ppm	750 ppm	1000 ppm	N.E.
Liquefied Petroleum Gas	68476-86-8	30.0	N.E.	N.E.	N.E.	N.E.
Mineral Spirits	64742-88-7	10.0	100 ppm	N.E.	100 ppm	N.E.
Aliphatic Hydrocarbon	64742-89-8	10.0	100 ppm	N.E.	100 ppm	N.E.
Xylene	1330-20-7	5.0	100 ppm	150 ppm	100 ppm	N.E.
Naphtha	8032-32-4	5.0	N.E.	N.E.	N.E.	N.E.
Magnesium Silicate	14807-96-6	5.0	2 mg/m3	N.E.	0.1 mg/m3 (Respirable)	N.E.
Carbon Black	1333-86-4	5.0	3.5 mg/m3	N.E.	3.5 mg/m3	N.E.
Ethylbenzene	100-41-4	5.0	100 ppm	125 ppm	100 ppm	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapors may cause flash fire or explosion. Harmful if swallowed. Extremely flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Avoid breathing vapors or mists. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group

2B). May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.

Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire And Explosion Hazards: FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Perforation of the pressurized container may cause bursting of the can. Isolate from heat, electrical equipment, sparks and open flame. Keep containers tightly closed. Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 - Handling And Storage

Handling: Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Use only in a well-ventilated area. Avoid breathing vapor or mist. Wash thoroughly after handling. Wash hands before eating.

Storage: Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use explosion-proof ventilation equipment. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Vapor Density:	Heavier than Air	Odor:	Solvent Like
Appearance:	Liquid	Evaporation Rate:	Faster than Ether
Solubility in H ₂ O:	Slight	Freeze Point:	N.D.
Specific Gravity:	0.760	pH:	N.A.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

Hazardous Decomposition: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Chemical Name	LD50	LC50
Acetone	5800 mg/kg (Rat)	50100 mg/m3 (Rat, 8Hr)
Liquefied Petroleum Gas	N.E.	N.E.
Mineral Spirits	>5000 mg/kg (Rat, Oral)	>1400 ppm (Rat, Inhalation, 4Hr)
Aliphatic Hydrocarbon	>5000 mg/kg (Rat, Oral)	N.E.
Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
Naphtha	>5000 mg/kg (Rat, Oral)	N.E.
Magnesium Silicate	N.E.	TCLo: 11 mg/m3 (Inhalation)
Carbon Black	>8000 mg/kg (Rat, Oral)	N.E.
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	N.A.	Yes	Yes

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, PRESSURIZED GAS HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
Xylene	1330-20-7
Ethylbenzene	100-41-4

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
Modified Alkyd	PROPRIETARY

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS Number</u>
Modified Alkyd	PROPRIETARY
Limestone	1317-65-3

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2* Flammability: 4 Reactivity: 0 Personal Protection: X

NFPA Ratings:

Health: 2 Flammability: 4 Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 536

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
 Rust-Oleum Corp.
www.rustoleum.com

1. Identification

Product Name: PTOUCH 2X +SSPR 6PK SATIN LAGOON **Revision Date:** 6/12/2012

Identification Number: 257461

Product Use/Class: Topcoat/Aerosol

Supplier: Rust-Oleum Corporation
 11 Hawthorn Parkway
 Vernon Hills, IL 60061
 USA

Manufacturer: Rust-Oleum Corporation
 11 Hawthorn Parkway
 Vernon Hills, IL 60061
 USA

Preparer: Regulatory Department

2. Hazard Identification

EMERGENCY OVERVIEW: Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Contents Under Pressure.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

3. Composition/Information On Ingredients

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Liquefied Petroleum Gas	68476-86-8	30.0	N.E.	N.E.	N.E.	N.E.
Acetone	67-64-1	25.0	500 ppm	750 ppm	1000 ppm	N.E.
Aliphatic Hydrocarbon	64742-89-8	10.0	100 ppm	N.E.	100 ppm	N.E.
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	10.0	200 mg/m3	N.E.	N.E.	N.E.
Mineral Spirits	64742-88-7	10.0	100 ppm	N.E.	100 ppm	N.E.
Xylene	1330-20-7	5.0	100 ppm	150 ppm	100 ppm	N.E.

Talc	14807-96-6	5.0	2 mg/m3	N.E.	0.1 mg/m3 [Respirable]	N.E.
Titanium Dioxide	13463-67-7	5.0	10 mg/m3	N.E.	15 mg/m3 [Total Dust]	N.E.
Ethylbenzene	100-41-4	5.0	20 ppm	125 ppm	100 ppm	N.E.

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

5. Fire-fighting Measures

Flash Point, °F -156 (Setaflash)

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can.

SPECIAL FIREFIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking.

9. Physical and Chemical Properties

Vapor Density	Heavier than Air	Odor:	Solvent Like
Appearance:	Aerosolized Mist	Evaporation Rate:	Faster than Ether
Solubility in Water:	Slight	Freeze Point:	N.D.
Specific Gravity:	0.746	pH:	N.D.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological Information

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Liquefied Petroleum Gas	N.E.	N.E.
Acetone	5800 mg/kg (Rat)	50100 mg/m ³ (Rat, 8Hr)
Aliphatic Hydrocarbon	>5000 mg/kg (Rat, Oral)	N.E.
Naphtha, Petroleum, Hydrotreated Light	N.E.	N.E.
Mineral Spirits	>5000 mg/kg (Rat, Oral)	>1400 ppm (Rat, Inhalation, 4Hr)
Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
Talc	N.E.	TCLo: 11 mg/m ³ (Inhalation)
Titanium Dioxide	>7500 mg/kg (Rat, Oral)	N.E.
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	Yes	Yes

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA ' Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

International Regulations:

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Canadian WHMIS Class: AB5 D2A

16. Other Information**HMIS Ratings:**

Health: 2* **Flammability:** 4 **Physical Hazard:** 0 **Personal Protection:** X

NFPA Ratings:

Health: 2 **Flammability:** 4 **Instability:** 0

VOLATILE ORGANIC COMPOUNDS, g/L: 548

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

1. Identification

Product Name: PTOUCH 2X +SSPR 6PK FLAT MATTE CLEAR
Revision Date: 9/24/2012

Identification Number: 249087

Product Use/Class: Topcoat/Aerosols

Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Regulatory Department

2. Hazard Identification

EMERGENCY OVERVIEW: Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May be absorbed through the skin in harmful amounts. Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B). May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

3. Composition/Information On Ingredients

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Acetone	67-64-1	35.0	500 ppm	750 ppm	1000 ppm	N.E.
Liquefied Petroleum Gas	68476-86-8	25.0	N.E.	N.E.	N.E.	N.E.
Toluene	108-88-3	20.0	20 ppm	N.E.	200 ppm	300 ppm
Methyl n-Amyl Ketone	110-43-0	5.0	50 ppm	N.E.	100 ppm	N.E.
Aliphatic Hydrocarbon	64742-89-8	5.0	100 ppm	N.E.	100 ppm	N.E.
Xylene	1330-20-7	5.0	100 ppm	150 ppm	100 ppm	N.E.
Ethylbenzene	100-41-4	1.0	20 ppm	125 ppm	100 ppm	N.E.
Solvent Naptha, Light Aromatic	64742-95-6	1.0	N.E.	N.E.	N.E.	N.E.

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

5. Fire-fighting Measures

Flash Point, °F -156 (Setaflash)

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can.

SPECIAL FIREFIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking.

9. Physical and Chemical Properties

Vapor Density	Heavier than Air	Odor:	Solvent Like
Appearance:	Aerosolized Mist	Evaporation Rate:	Faster than Ether
Solubility in Water:	Slight	Freeze Point:	N.D.
Specific Gravity:	0.756	pH:	N.A.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological Information

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Acetone	5800 mg/kg (Rat)	50100 mg/m3 (Rat, 8Hr)
Liquefied Petroleum Gas	N.E.	N.E.
Toluene	636 mg/kg (Rat, Oral)	>26700 ppm (Rat, Inhalation, 1Hr)
Methyl n-Amyl Ketone	1600 mg/kg (Rat, Oral)	N.E.
Aliphatic Hydrocarbon	>5000 mg/kg (Rat, Oral)	N.E.
Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.
Solvent Naptha, Light Aromatic	4700 mg/kg (Rat, Oral)	3670 mg/kg (Rat, Inhalation)

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	Yes	Yes

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA ' Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Toluene	108-88-3
Xylene	1330-20-7
Ethylbenzene	100-41-4
1,2,4-Trimethylbenzene	95-63-6
Benzene	71-43-2

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

International Regulations:

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Canadian WHMIS Class: AB5 D2A

16. Other Information**HMIS Ratings:**

Health: 2* **Flammability:** 4 **Physical Hazard:** 0 **Personal Protection:** X

NFPA Ratings:

Health: 2 **Flammability:** 4 **Instability:** 0

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: PTOUCH +SSPR 6PK GLOSS REAL ORANGE Revision Date: 09/22/2011

Identification Number: 1953830

Product Use/Class: Topcoat/Aerosol

Supplier: Rust-Oleum Corporation Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway 11 Hawthorn Parkway
Vernon Hills, IL 60061 Vernon Hills, IL 60061
USA USA

Preparer: Regulatory Department

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than			OSHA PEL-TWA	OSHA PEL CEILING
		ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA		
Acetone	67-64-1	40.0	500 ppm	750 ppm	1000 ppm	N.E.
Liquefied Petroleum Gas	68476-86-8	30.0	N.E.	N.E.	N.E.	N.E.
Naphtha, Petroleum, Hydrotreated Light	64742-49-0	10.0	200 mg/m ³	N.E.	N.E.	N.E.
Xylene	1330-20-7	5.0	100 ppm	150 ppm	100 ppm	N.E.
Solvent Naptha, Light Aromatic	64742-95-6	5.0	N.E.	N.E.	N.E.	N.E.
1,2,4-Trimethylbenzene	95-63-6	5.0	25 ppm	N.E.	N.E.	N.E.
Ethylbenzene	100-41-4	5.0	100 ppm	125 ppm	100 ppm	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapors may cause flash fire or explosion. Harmful if swallowed. Extremely flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Avoid breathing vapors or mists. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness,

fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

Unusual Fire And Explosion Hazards: FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Perforation of the pressurized container may cause bursting of the can. Isolate from heat, electrical equipment, sparks and open flame. Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid breathing vapor or mist. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use explosion-proof ventilation equipment. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Vapor Density:	Heavier than Air	Odor:	Solvent Like
Appearance:	Aerosolized Mist	Evaporation Rate:	Faster than Ether
Solubility in H ₂ O:	Slight	Freeze Point:	N.D.
Specific Gravity:	0.753	pH:	N.D.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Chemical Name

LD50

LC50

Acetone	5800 mg/kg (Rat)	50100 mg/m3 (Rat, 8Hr)
Liquefied Petroleum Gas	N.E.	N.E.
Naphtha, Petroleum, Hydrotreated Light	N.E.	N.E.
Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
Solvent Naptha, Light Aromatic	4700 mg/kg (Rat, Oral)	3670 mg/kg (Rat, Inhalation)
1,2,4-Trimethylbenzene	N.E.	18000 mg/m3 (Rat, 4Hr)
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	Yes	Yes

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, PRESSURIZED GAS HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Xylene	1330-20-7
1,2,4-Trimethylbenzene	95-63-6
Ethylbenzene	100-41-4

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -**New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name

Modified Alkyd

CAS Number

PROPRIETARY

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name

Modified Alkyd

CAS Number

PROPRIETARY

International Regulations: As follows -**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information**HMIS Ratings:**

Health: 2*

Flammability: 4

Physical Hazard: 0

Personal Protection: X

NFPA Ratings:

Health: 2

Flammability: 4

Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 506

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: STRUST SSPR 6PK HAMMER GOLD Revision Date: 09/27/2011
 Identification Number: 7210830
 Product Use/Class: Hammered Finish/Gold Aerosol
 Supplier: Rust-Oleum Corporation
 11 Hawthorn Parkway
 Vernon Hills, IL 60061
 USA
 Preparer: Regulatory Department
 Manufacturer: Rust-Oleum Corporation
 11 Hawthorn Parkway
 Vernon Hills, IL 60061
 USA

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than		ACGIH TLV-		OSHA PEL
			ACGIH TLV-TWA	STEL	OSHA PEL-TWA	CEILING
Acetone	67-64-1	40.0	500 ppm	750 ppm	1000 ppm	N.E.
Liquefied Petroleum Gas	68476-86-8	25.0	N.E.	N.E.	N.E.	N.E.
Naphtha	8032-32-4	15.0	N.E.	N.E.	N.E.	N.E.
Xylene	1330-20-7	5.0	100 ppm	150 ppm	100 ppm	N.E.
Propylene Glycol Monobutyl Ether	5131-66-8	5.0	N.E.	N.E.	N.E.	N.E.
Ethylbenzene	100-41-4	5.0	100 ppm	125 ppm	100 ppm	N.E.
Propylene Glycol Monomethyl Ether Acetate	108-65-6	5.0	N.E.	N.E.	30 ppm	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapors may cause flash fire or explosion. Harmful if swallowed. Extremely flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Avoid breathing vapors or mists. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged

occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

Unusual Fire And Explosion Hazards: Keep containers tightly closed. FLASH POINT IS LESS THAN 20 ° F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Perforation of the pressurized container may cause bursting of the can. Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Isolate from heat, electrical equipment, sparks and open flame.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist.

Storage: Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not expose to heat or store above 120 ° F.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use explosion-proof ventilation equipment.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Vapor Density:	Heavier than Air	Odor:	Solvent Like
Appearance:	Aerosolized Mist	Evaporation Rate:	Faster than Ether
Solubility in H ₂ O:	Slight	Freeze Point:	N.D.
Specific Gravity:	0.754	pH:	N.D.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition. Avoid temperatures above 120 ° F.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Chemical Name	LD50	LC50
Acetone	5800 mg/kg (Rat)	50100 mg/m ³ (Rat, 8Hr)
Liquefied Petroleum Gas	N.E.	N.E.
Naphtha	>5000 mg/kg (Rat, Oral)	N.E.

Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
Propylene Glycol Monobutyl Ether	2200 mg/kg (Rat, Oral)	N.E.
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.
Propylene Glycol Monomethyl Ether Acetate	>10000 mg/kg (Rat, Oral)	N.E.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	Yes	Yes

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, PRESSURIZED GAS HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Xylene	1330-20-7
Ethylbenzene	100-41-4

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name

Modified Alkyd

CAS Number

PROPRIETARY

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name

Modified Alkyd

CAS Number

PROPRIETARY

International Regulations: As follows -**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information**HMIS Ratings:**

Health: 2*

Flammability: 4

Physical Hazard: 0

Personal Protection: X

NFPA Ratings:

Health: 2

Flammability: 4

Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 498

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: STRUST +SSPR 6PK GLOSS ALMOND
Revision Date: 09/27/2011

Identification Number: 7770830

Product Use/Class: Topcoat/Aerosol

Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Regulatory Department

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than			OSHA PEL-TWA	OSHA PEL CEILING
		ACGIH TLV-TWA	ACGIH TLV-STEL	ACGIH TLV-TWA		
Liquefied Petroleum Gas	68476-86-8	30.0	N.E.	N.E.	N.E.	N.E.
Acetone	67-64-1	25.0	500 ppm	750 ppm	1000 ppm	N.E.
Titanium Dioxide	13463-67-7	15.0	10 mg/m3	N.E.	15 mg/m3 (Total Dust)	N.E.
Xylene	1330-20-7	10.0	100 ppm	150 ppm	100 ppm	N.E.
n-Butyl Acetate	123-86-4	10.0	150 ppm	200 ppm	150 ppm	N.E.
Ethylbenzene	100-41-4	5.0	100 ppm	125 ppm	100 ppm	N.E.
Mineral Spirits	64742-88-7	5.0	100 ppm	N.E.	100 ppm	N.E.
Propylene Glycol Monobutyl Ether	5131-66-8	5.0	N.E.	N.E.	N.E.	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapors may cause flash fire or explosion. Harmful if swallowed. Extremely flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Avoid breathing vapors or mists. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by

IARC. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula.

May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

Unusual Fire And Explosion Hazards: FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Perforation of the pressurized container may cause bursting of the can. Isolate from heat, electrical equipment, sparks and open flame. Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid breathing vapor or mist. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not

store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use explosion-proof ventilation equipment. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Vapor Density:	Heavier than Air	Odor:	Solvent Like
Appearance:	Aerosolized Mist	Evaporation Rate:	Faster than Ether
Solubility in H ₂ O:	Slight	Freeze Point:	ND
Specific Gravity:	0.830	pH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Chemical Name	LD50	LC50
Liquefied Petroleum Gas	N.E.	N.E.
Acetone	5800 mg/kg (Rat)	50100 mg/m3 (Rat, 8Hr)
Titanium Dioxide	>7500 mg/kg (Rat, Oral)	N.E.
Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
n-Butyl Acetate	13100 mg/kg (Rat, Oral)	2000 ppm (Rat, Inhalation, 4 Hr)
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.
Mineral Spirits	>5000 mg/kg (Rat, Oral)	>1400 ppm (Rat, Inhalation, 4Hr)
Propylene Glycol Monobutyl Ether	2200 mg/kg (Rat, Oral)	N.E.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	Yes	Yes

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, PRESSURIZED GAS HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Xylene	1330-20-7
Ethylbenzene	100-41-4

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
Modified Alkyd Resin	PROPRIETARY

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS Number</u>
Modified Alkyd Resin	PROPRIETARY
Barium Sulfate	7727-43-7

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2* Flammability: 4 Physical Hazard: 0 Personal Protection: X

NFPA Ratings:

Health: 2 Flammability: 4 Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 506

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable

international, federal, state, and local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700

1. Identification

Product Name: STRUST +SSPR 6PK GLOSS BLACK **Revision Date:** 5/16/2013

Identification Number: 7779830

Product Use/Class: Topcoat/Aerosols

Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Regulatory Department

2. Hazard Identification

EMERGENCY OVERVIEW: Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Inhalation, Skin Absorption, Skin Contact

3. Composition/Information On Ingredients

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Acetone	67-64-1	30.0	500 ppm	750 ppm	1000 ppm	N.E.
Liquefied Petroleum Gas	68476-86-8	30.0	N.E.	N.E.	N.E.	N.E.
Xylene	1330-20-7	10.0	100 ppm	150 ppm	100 ppm	N.E.
n-Butyl Acetate	123-86-4	10.0	150 ppm	200 ppm	150 ppm	N.E.
Barium Sulfate	7727-43-7	10.0	10 mg/m3	N.E.	15 mg/m3 [Total Dust]	N.E.
Ethylbenzene	100-41-4	5.0	20 ppm	125 ppm	100 ppm	N.E.
Carbon Black	1333-86-4	5.0	3 mg/m3	N.E.	3.5 mg/m3	N.E.
Propylene Glycol Monobutyl Ether	5131-66-8	5.0	N.E.	N.E.	N.E.	N.E.

4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

5. Fire-fighting Measures

Flash Point, °F -156 (Setaflash)

Extinguishing Media: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can.

SPECIAL FIREFIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking.

9. Physical and Chemical Properties

Vapor Density	Heavier than Air	Odor:	Solvent Like
Appearance:	Liquid	Evaporation Rate:	Faster than Ether
Solubility in Water:	Slight	Freeze Point:	N.D.
Specific Gravity:	0.769	pH:	N.A.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological Information

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Acetone	5800 mg/kg (Rat)	50100 mg/m3 (Rat, 8Hr)
Liquefied Petroleum Gas	N.E.	N.E.
Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
n-Butyl Acetate	13100 mg/kg (Rat, Oral)	2000 ppm (Rat, Inhalation, 4 Hr)
Barium Sulfate	N.E.	N.E.
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.

Carbon Black	>8000 mg/kg (Rat, Oral)	N.E.
Propylene Glycol Monobutyl Ether	2200 mg/kg (Rat, Oral)	N.E.

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	Yes	Yes

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Xylene	1330-20-7
Ethylbenzene	100-41-4
Diethylene Glycol Methyl Ether	111-77-3

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

International Regulations:

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Canadian WHMIS Class: AB% D2A D2B

16. Other Information

HMIS Ratings:

Health: 2* Flammability: 3 Physical Hazard: 0 Personal Protection: X

NFPA Ratings:

Health: 2 Flammability: 4 Instability: 0

Volatile Organic Compounds, g/L: 511

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

No Information

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: UNVRSL +SSPR 6PK HAMMER COPPER
Revision Date: 10/07/2011

Identification Number: 247567

Product Use/Class: Hammered Finish Topcoat/Aerosols

Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Regulatory Department

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less				
		Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL CEILING
Acetone	67-64-1	35.0	500 ppm	750 ppm	1000 ppm	N.E.
Liquefied Petroleum Gas	68476-86-8	25.0	N.E.	N.E.	N.E.	N.E.
n-Butyl Acetate	123-86-4	15.0	150 ppm	200 ppm	150 ppm	N.E.
Propylene Glycol Monobutyl Ether	5131-66-8	5.0	N.E.	N.E.	N.E.	N.E.
Solvent Naptha, Light Aromatic	64742-95-6	5.0	N.E.	N.E.	N.E.	N.E.
Mineral Spirits	64742-88-7	5.0	100 ppm	N.E.	100 ppm	N.E.
Xylene	1330-20-7	1.0	100 ppm	150 ppm	100 ppm	N.E.
Ethylbenzene	100-41-4	1.0	100 ppm	125 ppm	100 ppm	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapors may cause flash fire or explosion. Harmful if swallowed. Extremely flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports

have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

Unusual Fire And Explosion Hazards: Perforation of the pressurized container may cause bursting of the can. Isolate from heat, electrical equipment, sparks and open flame. Keep containers tightly closed. Vapors can travel to a source of ignition and flash back. Vapors may form explosive mixtures with air. Closed containers may explode when exposed to extreme heat. FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 - Handling And Storage

Handling: Wash hands before eating. Use only in a well-ventilated area. Avoid breathing vapor or mist. Wash thoroughly after handling. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Vapor Density:	Heavier than Air	Odor:	Solvent Like
Appearance:	Aerosolized Mist	Evaporation Rate:	Faster than Ether
Solubility in H ₂ O:	Slight	Freeze Point:	N.D.
Specific Gravity:	0.785	pH:	N.A.
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Chemical Name	LD50	LC50
Acetone	5800 mg/kg (Rat)	50100 mg/m ³ (Rat, 8Hr)
Liquefied Petroleum Gas	N.E.	N.E.
n-Butyl Acetate	13100 mg/kg (Rat, Oral)	2000 ppm (Rat, Inhalation, 4 Hr)

Propylene Glycol Monobutyl Ether	2200 mg/kg (Rat, Oral)	N.E.
Solvent Naptha, Light Aromatic	4700 mg/kg (Rat, Oral)	3670 mg/kg (Rat, Inhalation)
Mineral Spirits	>5000 mg/kg (Rat, Oral)	>1400 ppm (Rat, Inhalation, 4Hr)
Xylene	4300 mg/kg (Rat, Oral)	5000 ppm (Rat, Inhalation, 4Hr)
Ethylbenzene	3500 mg/kg (Rat, Oral)	N.E.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Consumer Commodity	Aerosols	Aerosols
Hazard Class:	ORM-D	2.1	2.1
UN Number:	N.A.	UN1950	UN1950
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	Yes	Yes

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, PRESSURIZED GAS HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
Xylene	1330-20-7

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name

Alkyd Resin
Urea-Aldehyde Resin

CAS Number

PROPRIETARY
PROPRIETARY

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name

Alkyd Resin

CAS Number

PROPRIETARY

International Regulations: As follows -**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information**HMIS Ratings:**

Health: 2* Flammability: 4 Physical Hazard: 0 Personal Protection: X

NFPA Ratings:

Health: 2 Flammability: 4 Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 503

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

SANFORD -- EXPO WHITE BOARD CLEANER,CLEAR
MATERIAL SAFETY DATA SHEET
NSN: 793000F010059
Manufacturer's CAGE: 86874
Part No. Indicator: A
Part Number/Trade Name: EXPO WHITE BOARD CLEANER,CLEAR

=====
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General Information

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Company's Name: SANFORD CORPORATION
Company's Street: 2740 WASHINGTON BLVD
Company's City: BELLWOOD
Company's State: IL
Company's Country: US
Company's Zip Code: 60104-1940
Company's Emerg Ph #: 800-228-5635
Company's Info Ph #: 800-228-5635
Distributor/Vendor # 1: ADVANTAGE DATA BUSINESS PRODUCTS
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 01FEB90
Safety Data Review Date: 28JAN94
Preparer's Company: SANFORD CORPORATION
Preparer's St Or P. O. Box: 2740 WASHINGTON BLVD
Preparer's City: BELLWOOD
Preparer's State: IL
Preparer's Zip Code: 60104-1940
MSDS Serial Number: BHRRN

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5

Proprietary: NO
Ingredient: ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL
CARBINOL
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: NT8050000
CAS Number: 67-63-0
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM
Other Recommended Limit: 400 PPM

Proprietary: NO
Ingredient: 2-BUTOXYETHANOL (ETHYLENEGLYCOL MONOBUTYL ETHER), BUTYL
CELLOSOLVE, BUTYL GLYCOL, GLYCOL ETHER EB
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: KJ8575000

CAS Number: 111-76-2
OSHA PEL: 50 PPM (SKIN)
ACGIH TLV: 25 PPM (SKIN)
Other Recommended Limit: 25 PPM (SKIN)

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR LIQUID, CHARACTERISTIC ALCOHOL ODOR.
Boiling Point: 180F
Vapor Pressure (MM Hg/70 F): 33
Vapor Density (Air=1): 2
Specific Gravity: 0.78
Evaporation Rate And Ref: (ETHER = 1): 7.7

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Fire and Explosion Hazard Data

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Flash Point: 105F
Flash Point Method: TCC
Lower Explosive Limit: SEE SUPP

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Reactivity Data

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Stability: YES
Hazardous Poly Occur: NO

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Health Hazard Data

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Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: EYES: IRRITATION.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: EYES: IRRITATION.
Emergency/First Aid Proc: EYES: FLUSH W/WATER.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: WIPE UP W/ABSORBENT MATERIAL.
Waste Disposal Method: DISCARD AS SOLID WASTE.
Precautions-Handling/Storing: THE PRODUCT IS CONSIDERED SAFE WHEN USED UNDER NORMAL USE CONDITIONS. USE IN A WELL VENTILATED AREA.
Other Precautions: KEEP OUT OF REACH OF CHILDREN.

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Control Measures

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Respiratory Protection: NONE UNDER NORMAL USE CONDITIONS.
Ventilation: RECOMMENDED
Protective Gloves: NONE UNDER NORMAL USE CONDITIONS
Eye Protection: NONE UNDER NORMAL USE CONDITIONS
Suppl. Safety & Health Data: LOWER FLAMMABILITY LIMIT: 2.5 FOR
ISOPROPANOL
=====

=====
Transportation Data
=====

=====
Disposal Data
=====

=====
Label Data
=====

=====
Label Required: YES
Technical Review Date: 28JAN94
Label Date: 27JAN94
Label Status: F
Common Name: EXPO WHITE BOARD CLEANER
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-None: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Special Hazard Precautions: EYES: IRRITATION.
Label Name: SANFORD CORPORATION
Label Street: 2740 WASHINGTON BLVD
Label City: BELLWOOD
Label State: IL
Label Zip Code: 60104-1940
Label Country: US
Label Emergency Number: 800-228-5635

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



BRITE® 1-STEP FLOOR SHINE CLEANER

Version 1.1

Print Date 11/09/2010

Revision Date 09/22/2010

MSDS Number 350000010029

SITE_FORM Number

30000000000000008677.002

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : BRITE® 1-STEP FLOOR SHINE CLEANER

Use of the Substance/Mixture : Floor Polish/Cleaner

Company : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : opaque / liquid / pleasant

Immediate Concerns

: Caution
CAUSES EYE IRRITATION.
Avoid contact with skin, eyes and clothing.

Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : Causes:
Moderate eye irritation

Skin : Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : No adverse effects expected when used as directed.

Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



BRITE® 1-STEP FLOOR SHINE CLEANER

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Chemical Name	CAS-No.	Weight percent
Diethylene glycol monoethyl ether	111-90-0	1.00 - 5.00

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact : Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Skin contact : Rinse with plenty of water. Get medical attention if irritation develops and persists.
- Inhalation : No special requirements
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Container may melt and leak in heat of fire.
- Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.
- Flash point : Note: not applicable
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : No special precautions required.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



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- Environmental precautions : Outside of normal use, avoid release to the environment.
- Methods for cleaning up : Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.
Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

- Requirements for storage areas and containers : Keep container closed when not in use.
Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection

- Industrial setting : No personal respiratory protective equipment normally required.

- Household setting : No special requirements.

- Hand protection** : No special requirements.

Eye protection

- Industrial setting : Safety glasses with side-shields

- Household setting : No special requirements.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



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MSDS Number 350000010029

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Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : opaque

Odor : pleasant

pH : 8.7

Boiling point : estimated 100 °C

Freezing point : 32 °F

Flash point : not applicable

Evaporation rate : no data available

Flammability (solid, gas) : Does not sustain combustion.

Autoignition temperature : not applicable

Lower explosion limit : no data available

Upper explosion limit : no data available

Vapour pressure : no data available

Density : 1.02 g/cm³
at 25 °C

Water solubility : no data available

Partition coefficient: n-octanol/water : no data available

Viscosity, dynamic : no data available

Viscosity, kinematic : no data available

Volatile Organic Compounds (California Air Resource Board – CARB) : 0.4 % - does not include any applicable regulatory exemptions

Material Safety Data Sheet

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Total VOC (wt. %)

10. STABILITY AND REACTIVITY

- Conditions to avoid : Direct sources of heat.
- Materials to avoid : Do not mix with bleach or any other household cleaners.
Avoid contact with:
Strong acids
- Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.
- Hazardous reactions : Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50
estimated
> 5,000 mg/kg
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : no data available
- Chronic effects**
- Carcinogenicity : no data available
- Mutagenicity : no data available
- Reproductive effects : no data available
- Teratogenicity : no data available
- Sensitisation : Not known to be a sensitizer.

12. ECOLOGICAL INFORMATION

- Ecotoxicity effects : no data available

Material Safety Data Sheet

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13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.
Consumer may discard empty container in trash, or recycle where facilities exist.

RCRA waste class : Non-hazardous waste

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

U.S. DOT and Canadian TDG Surface Transportation:

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

Sea transport

IMDG:

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

Air transport

ICAO/IATA:

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product is not subject to the reporting requirements under

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



BRITE® 1-STEP FLOOR SHINE CLEANER

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Canada Regulations : California's Proposition 65.
: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	0
Reactivity	0

NFPA Ratings

Health	2
Fire	0
Reactivity	0
Special	

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



BRITE® 1-STEP FLOOR SHINE CLEANER

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MSDS Number 350000010029

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1. PRODUCT AND COMPANY IDENTIFICATION

Product information

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Use of the Substance/Mixture : Floor Polish/Cleaner

Company : S.C. Johnson & Son, Inc.
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Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : opaque / liquid / pleasant

Immediate Concerns

: Caution
CAUSES EYE IRRITATION.
Avoid contact with skin, eyes and clothing.

Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : Causes:
Moderate eye irritation

Skin : Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : No adverse effects expected when used as directed.

Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



BRITE® 1-STEP FLOOR SHINE CLEANER

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MSDS Number 350000010029

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Chemical Name	CAS-No.	Weight percent
Diethylene glycol monoethyl ether	111-90-0	1.00 - 5.00

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact : Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Skin contact : Rinse with plenty of water. Get medical attention if irritation develops and persists.
- Inhalation : No special requirements
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Container may melt and leak in heat of fire.
- Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.
- Flash point : Note: not applicable
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : No special precautions required.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



BRITE® 1-STEP FLOOR SHINE CLEANER

Version 1.1

Print Date 11/09/2010

Revision Date 09/22/2010

MSDS Number 350000010029

SITE_FORM Number

30000000000000008677.002

- Environmental precautions : Outside of normal use, avoid release to the environment.
- Methods for cleaning up : Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.
Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

- Requirements for storage areas and containers : Keep container closed when not in use.
Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection

- Industrial setting : No personal respiratory protective equipment normally required.

- Household setting : No special requirements.

- Hand protection** : No special requirements.

Eye protection

- Industrial setting : Safety glasses with side-shields

- Household setting : No special requirements.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



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Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Color	: opaque
Odor	: pleasant
pH	: 8.7
Boiling point	: estimated 100 °C
Freezing point	: 32 °F
Flash point	: not applicable
Evaporation rate	: no data available
Flammability (solid, gas)	: Does not sustain combustion.
Autoignition temperature	: not applicable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Density	: 1.02 g/cm ³ at 25 °C
Water solubility	: no data available
Partition coefficient: n-octanol/water	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Volatile Organic Compounds (California Air Resource Board – CARB)	: 0.4 % - does not include any applicable regulatory exemptions

Material Safety Data Sheet

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Total VOC (wt. %)

10. STABILITY AND REACTIVITY

- Conditions to avoid : Direct sources of heat.
- Materials to avoid : Do not mix with bleach or any other household cleaners.
Avoid contact with:
Strong acids
- Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.
- Hazardous reactions : Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50
estimated
> 5,000 mg/kg
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : no data available
- Chronic effects**
- Carcinogenicity : no data available
- Mutagenicity : no data available
- Reproductive effects : no data available
- Teratogenicity : no data available
- Sensitisation : Not known to be a sensitizer.

12. ECOLOGICAL INFORMATION

- Ecotoxicity effects : no data available

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



BRITE® 1-STEP FLOOR SHINE CLEANER

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13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.
Consumer may discard empty container in trash, or recycle where facilities exist.

RCRA waste class : Non-hazardous waste

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

U.S. DOT and Canadian TDG Surface Transportation:

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

Sea transport

IMDG:

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

Air transport

ICAO/IATA:

Proper shipping name not regulated
Class: None.
UN/ID No.: None.
Packaging group None.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product is not subject to the reporting requirements under

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BRITE® 1-STEP FLOOR SHINE CLEANER

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Canada Regulations : California's Proposition 65.
: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	0
Reactivity	0

NFPA Ratings

Health	2
Fire	0
Reactivity	0
Special	

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



Neutral All Purpose Cleaner Concentrate Citrus

Version 1.0

Print Date 06/21/2012

Revision Date 05/16/2012

MSDS Number 350000020687

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : Neutral All Purpose Cleaner Concentrate Citrus

Use of the Substance/Mixture : This product is intended to be diluted prior to use.

Company : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour International Emergency Phone: (703)527-3887
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : red orange / liquid / characteristic

Immediate Concerns

: Caution
CAUSES EYE IRRITATION.
Avoid contact with skin, eyes and clothing.

Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : Causes:
Moderate eye irritation

Skin : Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : No adverse effects expected when used as directed.

Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Material Safety Data Sheet

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Chemical Name	CAS-No.	Weight percent
Alcohols, C9-11, ethoxylated	68439-46-3	10.00 - 30.00
Propylene glycol monobutyl ether	5131-66-8	5.00 - 10.00
Dipropylene glycol n-propyl ether	29911-27-1	1.00 - 5.00

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact : Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Skin contact : Rinse with plenty of water. Get medical attention if irritation develops and persists.
- Inhalation : No special requirements
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Container may melt and leak in heat of fire.
- Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.
- Flash point : > 65.6 °C
> 150.08 °F
Method: Tag Closed Cup (TCC)
- Lower explosion limit : Note: not determined
- Upper explosion limit : Note: not determined

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



Neutral All Purpose Cleaner Concentrate Citrus

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Revision Date 05/16/2012

MSDS Number 350000020687

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : No special precautions required.
- Environmental precautions : Outside of normal use, avoid release to the environment.
- Methods for cleaning up : Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.
Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

- Requirements for storage areas and containers : Keep container closed when not in use.
Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

- Respiratory protection** : No personal respiratory protective equipment normally required.
- Hand protection** : No special requirements.
- Eye protection** : Safety glasses with side-shields
- Skin and body protection** : No special requirements.
- Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



Neutral All Purpose Cleaner Concentrate Citrus

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Revision Date 05/16/2012

MSDS Number 350000020687

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid
Color	:	red orange
Odor	:	characteristic
pH	:	12.5
Boiling point	:	100 °C
Freezing point	:	32 °F
Flash point	:	> 65.6 °C > 150.08 °F Method: Tag Closed Cup (TCC)
Evaporation rate	:	not determined
Flammability (solid, gas)	:	Does not sustain combustion.
Autoignition temperature	:	no data available
Lower explosion limit	:	not determined
Upper explosion limit	:	not determined
Vapour pressure	:	not determined
Density	:	1 g/cm ³
Water solubility	:	completely soluble
Viscosity, dynamic	:	not determined
Volatile Organic Compounds Total VOC (wt. %)*	:	7.1 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Direct sources of heat.
Materials to avoid	:	Strong acids
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.

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according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



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MSDS Number 350000020687

Hazardous reactions : Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50
Calculated
> 5,000 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Chronic effects

Carcinogenicity : None Anticipated

Mutagenicity : None Anticipated

Reproductive effects : None Anticipated

Teratogenicity : None Anticipated

Sensitisation : Not known to be a sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : no data available

13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.
Consumer may discard empty container in trash, or recycle where facilities exist.

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



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MSDS Number 350000020687

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65 :

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	0
Reactivity	0

NFPA Ratings

Health	2
Fire	1
Reactivity	0
Special	-

Further information

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Prepared by:	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



Neutral All Purpose Cleaner Concentrate Citrus

Version 1.0

Print Date 06/21/2012

Revision Date 05/16/2012

MSDS Number 350000020687

SPRINT, 14080-11-12

MSDS Number

BQMLK

National Stock Number

7930-01-277-5718

Product Name

SPRINT, 14080-11-12

Manufacturer

S C JOHNSON WAX

Product Identification

Product ID:SPRINT, 14080-11-12

MSDS Date:02/20/1992

FSC:7930

NIIN:01-277-5718

MSDS Number: BQMLK

Responsible Party

S C JOHNSON WAX

1525 HOWE ST

RACINE , WI 53403-5011

US

Emergency Phone: 800-228-5635

Info Phone: 414-631-2777

Preparer: TERRY A. MEYERS

Cage: GO109

Contractor

SC JOHNSON AND SON INC

RACINE, WI 53403-2236

US

800-725-6737

Cage: 32204

Ingredients

STYRENE ACRYLIC POLYMERS

Fraction By Weight: 10-20%

DIPROPYLENE GLYCOL, MONOMETHYL ETHER

CAS: 34590-94-8

RTECS: JM1575000

Fraction By Weight: 3-6%

OSHA PEL100 PPM;150 STEL,S

ACGIH TLV: 100 PPM;150 STEL,S

ETHANOL, 2-(2-ETHOXYETHOXY)-;(DIETHYLENE GLYCOL MONOETHYL

RTECS: KK8750000

Fraction By Weight: 1-2%

AMMONIUM HYDROXIDE (SARA III)

CAS: 1336-21-6

RTECS: BQ9625000

Fraction By Weight: 1-3%

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ZINC AMMONIUM CARBONATE

Fraction By Weight: 1-3%

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 70-85%

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NOT APPLICABLE.
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL:MOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP) . SKIN:FLUSH WITH COPIOUS AMOUNTS OF WATER. CALL MD .
EYE:FLUSH WITH POTABLE WATER FOR A MINIMUM OF 15 MINUTES. CALL MD (FP N).
INGEST:CALL MD IMMEDIATELY .

Fire Fighting

Extinguishing Media:FOAM, CO*2, DRY CHEMICAL, WATER FOG.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . NORMAL FIRE FIGHTING PROCEDURES MAY BE USED.
Unusual Fire/Explosion Hazard:CONTAINER MAY MELT AND LEAK IN HEAT OF FIRE.

Accidental Release

Spill Release Procedures:CONTAIN AMMONIA AND ZINC. DO NOT LET SPILLED OR LEAKING MATERIAL ENTER WATERCOURSE. MAY BE TOXIC TO AQUATIC LIFE. ABSORB WITH OIL-DRI OR SIMILAR INERT MATL. SWEEP UP OR SCRAPE UP & CONTAINERIZE. RINSE AFFECTED AREA THOROUGHLY WITH WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:KEEP FROM FREEZING.
Other Precautions:KEEP OUT OF REACH OF CHILDREN.

Exposure Controls

Respiratory Protection:NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS.
Ventilation:GENERAL ROOM VENTILATION IS ADEQUATE.

Eye Protection:CHEMICAL WORKERS GOGGLES .
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:USE GOOD PERSONAL HYGIENE PRACTICES. WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
PH:8.8-9.2.

Chemical Properties

Boiling Pt:B.P. Text:>200F,>93C
Spec Gravity:1.03
pH:SUPDAT
Solubility in Water:COMPLETE
Appearance and Odor:OPAQUE, WHITE EMULSION WITH MILD AMMONIACAL ODOR

Stability

Stability Indicator/Materials to Avoid:YES
NONE KNOWN.
Stability Condition to Avoid:NONE KNOWN.
Hazardous Decomposition Products:WHEN EXPOSED TO FIRE, PRODUCES NORMAL PRODUCTS OF COMBUSTION.

Disposal

Waste Disposal Methods:NO SPECIAL METHOD. OBSERVE ALL APPLICABLE FEDERAL, STATE, AND LOCAL ORDINANCES REGARDING DISPOSAL OF NON-HAZ MATLS. WASTE FROM NORMAL PROD USE MAY BE COVERED TO A PUBLIC-OWNED TREATMENT WORKS (POTW) I /A/W APPLIC FED, STATE & LOC PRETREATMENT REQS.

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MATERIAL SAFETY DATA SHEET

Johnson wax
PROFESSIONAL

OVER & UNDER

HMIS		NFPA	Personal protective equipment
Health	1	1	None Required
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 1

Preparation date: 2006-03-02

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: OVER & UNDER

MSDS #: MS0200015

Product code: 04151, 04166

Recommended use: Floor care.

Manufacturer, importer, supplier:

US Headquarters JohnsonDiversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-0902 Phone: 1-888-352-2249 MSDS Internet Address: www.johnsondiverse.com	Canadian Headquarters JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-3131
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Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. MAY BE MILDLY IRRITATING TO EYES. MAY BE MILDLY IRRITATING TO SKIN.

Principle routes of exposure: Eye contact. Skin contact. Inhalation.

Eye contact: May be mildly irritating to eyes.

Skin contact: May be mildly irritating to skin.

Inhalation: None

Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene glycol methyl ether	34590-94-8	1 - 5%	5.4 ml/kg (rat)	10 mL/kg (rabbit)	Not available
Diethylene glycol monoethyl ether	111-90-0	1 - 5%	5.5 ml/kg (rat)	4.2 mL/kg (rabbit)	5.24 g/m ³ (rat)

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. If irritation develops get medical attention.

Skin contact: Flush immediately with plenty of water. If irritation develops get medical attention.

Inhalation: No specific first aid measures are required.

Ingestion: No specific first aid measures are required.

Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Not applicable

Specific hazards: Not applicable

Unusual hazards: None known

Specific methods: No special methods required

Personal precautions:
Environmental precautions
and clean-up methods:

Use personal protective equipment
Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF THE REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eye protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Skin and body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Dipropylene glycol methyl ether	34590-94-8	150 ppm (STEL) 100 ppm (TWA)		900 mg/m ³ (STEL) 150 ppm (STEL) 100 ppm (TWA) 60 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	8.3	Dilution pH:	No information available.
Appearance:	Emulsion	Vapor density:	No information available
Color:	Opaque Off-white	Evaporation rate:	No information available
Odor:	Ammoniacal	Boiling point/range:	Not determined
Specific gravity:	1.03	Melting point/range:	Not determined
Density:	8.58 lbs/gal.	Decomposition temperature:	Not determined
VOC:	2.0 %	Autoignition temperature:	No information available
Flash point:	>200 (°F) >93.3 (°C)	Viscosity:	No information available
Solubility:	Soluble	Partition coefficient (n-octanol/water):	No information available
		Solubility in other solvents:	No information available

10. STABILITY AND REACTIVITY

Stability: The product is stable.
Polymerization: No. Hazardous polymerization does not occur..
Hazardous decomposition products: None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50 estimated to be greater than 5000 mg/kg Dermal LD50 estimated to be > 2000 mg/kg
Component Information: See Section 3

Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known
Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known