



SUPERSATURATED

MSDS No.:5965 - 6003

MSDS Preparation Date: February 12, 2009

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **SUPERSATURATED**
 Supersaturated Red (No. 5965)
 Supersaturated Green Shoe Blue (No.5968)
 Supersaturated Ultra Blue (No.5969)
 Supersaturated Chrome Green (No.5971)
 Supersaturated Emerald Green (No.5972)
 Supersaturated Phthalo Green (No.5973)
 Supersaturated Imperial Green (No. 5974)
 Supersaturated Magenta (No.5975)
 Supersaturated Brilliant Red (No. 5976)
 Supersaturated Spectrum Red (No.5977)
 Supersaturated Purple (No.5979)
 Supersaturated Iron Red (No.5980)
 Supersaturated Chrome Yellow (No.5981)
 Supersaturated Yellow Ochre (No.5982)
 Supersaturated Raw Sienna (No.5983)
 Supersaturated Orange (No.5984)
 Supersaturated Burnt Umber (No.5985)
 Supersaturated Raw Umber (No.5986)
 Supersaturated Burnt Sienna (No.5987)
 Supersaturated Lemon Yellow (No.5988)
 Supersaturated Prussian Blue (No.5990)
 Supersaturated Navy Blue (No.5991)
 Supersaturated Paynes Gray (No. 5992)
 Supersaturated Leather (No.5993)
 Supersaturated Grass Green (No.5994)
 Supersaturated Cerulean Blue (No.5996)
 Supersaturated Hunter Green (No.5997)
 Supersaturated Van Dyke Brown (No.5998)
 Supersaturated Base - Neutral (No.6001)
 Supersaturated Base - White (No. 6002)
 Supersaturated Base - Velour Black (No.6003)

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:



TOXIC



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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>
Supersaturated - Brilliant Red Silica, crystalline quartz, respirable dust	14808-60-7	3.00 - 7.00	0.025 mg/m ³ (respirable fraction)	N/Av	(10)/(%SiO ₂ + 2) mg/m ³	N/Av
Supersaturated - Paynes Gray Iron oxide red	1309-37-1	0.00 - 0.00	5 mg/m ³ (respirable fraction)	N/Av	10 mg/m ³	N/Av
Supersaturated - Paynes Gray Supersaturated - Imperial Green Carbon black	1333-86-4	0.10 - 1.00	20 ppm	N/Av	50 ppm (240 mg/m ³) (skin)	N/Av
Supersaturated Base - Velour Black Silica, crystalline-cristobalite	14464-46-1	3.00 - 7.00	0.025 mg/m ³	N/Av	N/Av	N/Av
Supersaturated Burnt Umber Manganese dioxide	1313-13-9	1.00 - 5.00	N/Av	N/Av	N/Av	N/Av
Supersaturated Chrome Green Chrome oxide	1308-38-9	15.00 - 40.00	N/Av	N/Av	N/Av	N/Av
Supersaturated Chrome Yellow Silica, crystalline-cristobalite	14464-46-1	1.00 - 5.00	0.025 mg/m ³	N/Av	N/Av	N/Av
Glycol ether	111-46-6	0.50 - 1.50	N/Av	N/Av	N/Av	N/Av
Supersaturated Green Shoe Blue, Supersaturated Emerald Green, Supersaturated Navy Blue, Supersaturated Grass Green Propylene glycol	57-55-6	1.00 - 5.00	N/Av	N/Av	N/Av	N/Av
Supersaturated Hunter Green Silica, crystalline-cristobalite	14464-46-1	5.00 - 10.00	0.025 mg/m ³	N/Av	N/Av	N/Av
Supersaturated Lemon Yellow, Supersaturated Van Dyke Brown, Supersaturated Base - Neutral Silica, crystalline-quartz	14808-60-7	0.10 - 1.00	0.025 mg/m ³	N/Av	(10)/(%SiO ₂ + 2) mg/m ³	N/Av
Supersaturated Phthalo Green 1-Propanol, 2-amino-2-methyl-	124-68-5	0.50 - 1.50				
Supersaturated White No hazardous ingredients	N/Av	0.00 - 0.00	N/Av	N/Av	N/Av	N/Av



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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid. Multiple colors. Irritating to eyes, respiratory system and skin. Harmful if inhaled or swallowed 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. 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.

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. May cause allergic skin reaction. 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 applicable.



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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 known.

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

Eye / face protection : Safety glasses with side-shields or chemical splash goggles.



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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 (No. 5992) 100 - 187.2 °C (No.5968, 5972, 5991, 5994, 5997) 100 - 165°C (No.5973) 100 - 245.6 (No.5981) 100-190 (Nos. 5974, 5976)	Specific gravity	: 1.0-1.4
Melting/Freezing point	: Not available.	Coefficient of water/oil distribution	: Not available.
Vapor pressure (mmHg @ 20° C / 68° F)	: 0.6 -760 0.06 - 760 (No.5981) 760 (No.5983) 0.2 -760 (No.5990) 17 (Nos. 5976, 5974, 5992)	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)	: 0.80 -0.85 / 95.00-102.58 (except as noted below) 0.22 (No. 5992) 0.17 / 20.84 (No.5979) 0.36 / 44.15 (No.5990) 0.77 / 92.46 (No.6001) 0.93 / 111.27 (No.6002) 1.04 / 125.59 (No.5980) 1.05 / 126.3 (No.5987) 1.12 - 1.18 / 134.42 - 142.59 (No.5968, 5981, 5986) 1.21 / 145.51 (No.5994) 1.31 / 157.86 (No.5972)	Volatiles (% by weight)	: 61.17 (except as noted below) 47.31 (No.5971) 65.03 (No.5977) 52.3 (No. 5980) 53.92 (No.5982) 59.57 (No.5983) 50.85 (No.5985) 63.29 (No.5986) 57.65 (No.5988) 61.97 (No.5993) 61.73 (No.5996) 53.95 (No.5997) 55.48 (No. 5998) 47.72 (No.6001-6003) 60.52 (No. 5974) 60.87 (No. 5976) 50.66 (No. 5992)
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.



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- 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>
Supersaturated - Brilliant Red Silica, crystalline quartz, respirable dust	N/Av	500 mg/kg	N/Av
Supersaturated - Paynes Gray Iron oxide red	N/Av	>10000 mg/kg	N/Av
Supersaturated - Paynes Gray Supersaturated - Imperial Green Carbon black	450 ppm/4H (rat)	470 mg/kg (rat); 320 mg/kg (rabbit)	400 mg/kg (rabbit)
Supersaturated Base - Velour Black Silica, crystalline-cristobalite	N/Av	N/Av	N/Av
Supersaturated Burnt Umber Manganese dioxide	N/Av	3478 mg/kg (rat)	N/Av
Supersaturated Chrome Green Chrome oxide	N/Av	N/Av	N/Av
Supersaturated Chrome Yellow Silica, crystalline-cristobalite	N/Av	N/Av	N/Av
Glycol ether	N/Av	12,565 mg/kg (rat)	11,890 mg/kg (rabbit)
Supersaturated Green Shoe Blue, Supersaturated Emerald Green, Supersaturated Navy Blue, Supersaturated Grass Green Propylene glycol	N/Av	20,000 mg/kg (rat)	20,800 mg/kg (rabbit)
Supersaturated Hunter Green Silica, crystalline-cristobalite	N/Av	N/Av	N/Av
Supersaturated Lemon Yellow, Supersaturated Van Dyke Brown, Supersaturated Base - Neutral Silica, crystalline-quartz	N/Av	N/Av	N/Av
Supersaturated Phthalo Green 1-Propanol, 2-amino-2-methyl-	N/Av	N/Av	N/Av
Supersaturated White No hazardous ingredients	N/Av	N/Av	N/Av

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



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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.
 Nos. 5974, 5992, 5997, 6003: This product contains Carbon black, an IARC Group 2B carcinogen.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Nos. 5974, 5992, 5997, 6003: Contains Carbon black. Carbon black is suspected of causing mutations in non-reproductive cells, based on animal data.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Eyes, skin, respiratory system and digestive system.
- Sensitization to material** : Contains a chemical or chemicals which may cause skin sensitization. This product contains: Propylene glycol (No.5997, 5968, 5972, 5991, 5994); Chromium oxide (No.5971).
- 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
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-	



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IMDG Additional information	None.
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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. (No.5997)

Canadian Regulations:

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

Canadian WHMIS Classification: D2A, D2B; D2B (No.6002).

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.

Canada: 1-888-977-4834

USA: 1-888-442-9628

<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: March 1, 2008

MSDS Reviewed Date: February 12, 2009



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

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Revision No. : 2
Revision Information : Added 5974, 5976, 5992.

END OF DOCUMENT

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **SUPERSATURATED**

Supersaturated Turquoise

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:



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>
2-Butoxyethanol	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
Silica, crystalline-cristobalite	14464-46-1	1.0 - 5.0	0.025 mg/m3	N/Av	N/Av	N/Av
Propylene glycol	57-55-6	1.0 - 5.0	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid. Color as per product name. Irritating to eyes, respiratory system and skin. Harmful if inhaled or swallowed. 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. 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.

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. May cause central nervous system depression.

Potential chronic health effects

: Prolonged skin contact may defat the skin and produce dermatitis. May cause allergic skin reaction. 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. Contains a chemical which may cause kidney damage. This product contains: 2-butoxyethanol.

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 III B.

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.



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Oxidizing properties : None expected.

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 | : Color as per product name |
| Odor | : Not available. | Odor threshold | : Not available. |
| pH | : Not available. | | |
| Boiling point | : 168.3 - 187.2 °C | Specific gravity | : 1.0-1.4 |
| Melting/Freezing point | : Not available. | Coefficient of water/oil distribution | |



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- Vapor pressure (mmHg @ 20° C / 68° F) : 0.6 -760
- Vapor density (Air = 1) : Heavier than air.
- Volatile organic Compounds (VOC's) (lbs/gal;g/l) : 1.52 / 182.73
- Viscosity : Not available.
- Solubility in water : Soluble
- Evaporation rate (n-Butyl acetate = 1) : Slower than n-butyl acetate
- Volatiles (% by weight) : 61.17

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
2-Butoxyethanol	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
Silica, crystalline-cristobalite	N/Av	N/Av	N/Av
Propylene glycol	N/Av	20,000 mg/kg (rat)	20,800 mg/kg (rabbit)

- 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). 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.
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 : Contains a chemical or chemicals which may cause skin sensitization. This product contains: Propylene glycol.
- Synergistic materials : None reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

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



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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 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.



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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.

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Preparation Date: : January 3, 2007

MSDS Reviewed Date: February 12, 2009

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