

Section 1: Product and Company Identification

Product Identifier

Product Form: Mixture

Product Name: SURF X FLUSH 2000™ Polyurethane Foam/Resin Remover

Product #: 02-W189568

Intended Use of the Product: Commercial, Industrial and Professional use only. Use as directed

[Details of the supplier of the safety data sheet](#)

Manufacturer

Global Specialty Products - USA, Inc.

10 Eagle Avenue - Suite 500

Mount Holly, New Jersey 08060

www.gsp-usa-inc.com

Telephone: 609-518-7577 Fax: 609-518-5277 *Mon - Fri, 8am - 5 pm PST*

Email: support@gsp-usa-inc.com

Chemical Emergency Number

ChemTel: 1-800-255-3924

Section 2: Hazards Identification

Classification (GHS-US) Classification of the mixture

According to Regulation 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).

Label Elements

Hazard Pictograms (GHS-US)



Signal Word (GHS-US): Warning

	Class	Code	Category	Statement
Oral:	Acute	H302	4	Harmful if swallowed
Skin:	Acute	H313	5	May be harmful in contact with skin
		H316	3	Causes mild skin irritation
Eye:		H319	2A	Causes serious eye irritation
Inhalation:		H333	5	May be harmful if Inhaled

Precautionary Statements (GHS-US)

General precautionary statements

P101: If medical advice is needed, have product container or label at hand;

P102: Keep out of reach of children.

P103: Read label before use.

Prevention precautionary statements

P210: Combustible Liquid - Keep away from heat/sparks/open flames/hot surfaces. No smoking

P260: Do not breathe vapors, mist, or spray; **P261:** Avoid breathing dust/fume/gas/mist/vapours/spray; **P262:** Do not get in eyes, on skin, or on clothing; **P264:** Wash thoroughly after handling; **P270:** Do not eat, drink or smoke when using this product; **P271:** Use only outdoors or in a well ventilated area; **P272:** Contaminated work clothing must not be allowed out of the workplace; **P273:** Avoid release to the environment;

P280: Wear protective clothing, protective gloves, eye protection.

Section 2: Hazards Identification (cont'd)

Precautionary Statements (GHS-US) cont'd

P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor/physician. **P321** - See Section 4 on SDS (First aid measures)

P303+P313+P333+P353+P361+P363 – IF ON SKIN (OR HAIR) Take off immediately all contaminated clothing. Wash skin with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

P305+P310 +P338 +P351- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards: Exposure may irritate the respiratory tract (nose, throat, and lungs).

Section 3: Composition/Information on Ingredients

Name	Product Identifier CAS #	% (w/w)	Exposure Limits:
Dipropylene Glycol Monomethylether	34590-94-8	*Proprietary	NIOSH REL: TWA 100 ppm (600 mg/m ³) ST 150 ppm (900 mg/m ³) [skin] OSHA PEL †: TWA 100 ppm (600 mg/m ³) [skin]
1,3-dioxolan-2-one, Methyl (PC)	108-32-7	*Proprietary	Not Available

Contains no other hazardous components at 1% or more as listed or defined in 29 CFR 1910, Subpart Z. Contains no components that are reported to be carcinogenic by any reference source including IARC, OSHA, NTP and EPA. * The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret (29 CFR 1910.1200) This product contains other important & proprietary ingredients (co-solvents, wetting agents, corrosion inhibitor, rinsing agent, etc.). **California Prop 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. **DOES NOT contain raw materials listed on SECTION 112(b) OF HAZARDOUS AIR POLLUTANTS.**

Section 4: First Aid Measures

Description of First Aid Measures

GENERAL: Never give anything to an unconscious person, If Exposed or Concerned; Get medical advice/attention immediately.

INHALATION: When symptoms occur remove to fresh air immediately. Keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a POISON CENTER, doctor or physician Immediately.

Ventilate suspected area. **SKIN CONTACT:** Wear natural rubber gloves to protect your skin. Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice and attention Immediately. Wash contaminated clothing before reuse.

EYE CONTACT: This product is non-corrosive and water miscible. In case of eye contact, immediately flush eyes with plenty of water (for at least 15 minutes), remove contact lenses, if present and easy to do so. Continue rinsing until the irritation stops. Call a physician if the irritation persists. **INGESTION:** If swallowed, rinse mouth do not induce vomiting. Get medical advice and attention. Never give anything by mouth to an unconscious person. **NOTE TO PHYSICIANS:** To prepare activated charcoal slurry suspend 50 g activated charcoal in 400 ml water in plastic bottle and shake well. Administer 5 ml/kg, or 350 ml for an average adult.

Most Important Symptoms and Effects Both Acute and Delayed
According To MSDSs supplied by the Raw Material Suppliers, the ingredients are moderate to strong skin and eye irritant. They may affect the central nervous system causing dizziness, headache or nausea. They may affect eye, skin and respiratory tract irritation. The product will be harmful if inhaled. **INHALATION:** Moderate to strong hazard for usual Industrial handling.

INGESTION: Toxicity reports from raw material suppliers described from repeated exposure include weight gain, but there have been no pathological abnormalities noted. According to the suppliers of the raw materials in this product, the ingredients do not produce genetic damage in animals or in bacterial cell cultures, and do not have developmental or reproductive effects.

CARCINOGENS: None of the components in this product are listed by IARC, OSHA, NTP, EPA or ACGIH as a carcinogen.

SIGNS AND SYMPTOMS OF EXPOSURE: Skin irritation or dermatitis, eye irritation or Inflammation, pallor nausea, lack of coordination.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

If medical advice is needed, have product container or label at hand.

Section 5: Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Water Spray, CO₂, Dry Chemical, Foam

Unsuitable Extinguishing Media: Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable - this product is Combustible

Explosion Hazard: Product is not explosive

Reactivity: Hazardous reactions will not occur under normal conditions. May react vigorously with strong acids, Oxidizers or Reducing agents. Dangerous fire hazard when exposed to heat or flame.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire condition, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Irritating or toxic vapors.

Special Fire Fighting Procedures: Keep personnel removed and upwind of fire. Firefighters should wear protective clothing to prevent contact with skin and eyes. Wear positive pressure self contained breathing apparatus

Reference to Other Sections - Refer to section 9 for flammability properties. Refer to section 16 for NFPA information.

Section 6: Accidental Release Measures

Steps To Take If Material Is Released/Spilled/Leaks

NOTE: Review Fire And Explosion Hazards and Safety Precautions before proceeding with clean up.

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Remove source of heat, sparks, flame, impact, friction or electricity.

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Spilled material may present a slipping hazard.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions Prevent liquid from entering sewers, waterways or low areas. Recover free liquid for reuse or reclamation.

Recover undamaged and minimally contaminated material for reuse or reclamation. Contact competent authorities after a spill.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Keep in suitable, closed containers for disposal.

Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

Section 7: Handling and Storage

Precautions for Safe Handling

Additional Hazards When Processed: Provide general ventilation. Where adequate ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls. If this material is handled under mist forming conditions, approved respiratory protection equipment should be used.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Container remains hazardous when empty. Continue to observe all precautions.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container tightly closed. Keep in original container.

Incompatible Materials: Strong Oxidizers. Reducing agents. Strong Acid.

Specific End Use(s): Commercial use. For professional use only.

Section 8: Exposure Controls/Personal Protection

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

Exposure Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Materials for Protective Clothing: Chemically resistant materials and fabrics (apron, boots or whole bodysuit made from butyl rubber, as appropriate)

Hand Protection: Wear chemically resistant protective gloves.

Eye / Face Protection: Safety glasses with side shields, or goggles, are recommended.

Insufficient ventilation: Wear respiratory protection.

Respirators - A NIOSH/MSHA approved air purifying respirator with a 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 any other circumstances where air purifying respirators may not provide adequate protection.

Section 9: Physical and Chemical Properties

Appearance	Clear Liquid - Colorless to Slight Amber
Odor	Mild Organic Ester
Odor Threshold	N/A
pH (50% solution in water @ 68 °F):	6.2 - 6.6
Melting point/Freezing point	N/A
Initial boiling point and boiling range (@ 760 [mm Hg])	356 - 396 °F
Flash point	169 °F Pensky Martins Closed Cup
Evaporation rate (nBuAc = 1.00)	0.02
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Component Vapor pressure (@ 25 °C [mm Hg])	0.20 - 0.90
Vapor density	N/A
Relative density	N/A
Solubility(ies)	Completely Miscible
Partion coefficient: n-octanol/water;	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity @68°F (water=1.0)	Water thin
Weight/Gallon	8.2 (lbs. / gal.)
Normal Working Concentrations/Temperature	Full Strength @ Room Temperature Only
VOC Content (ASTM D-2369, Method 24)	3.85 lbs./gal or 437 grams/liter
Recycling Parameters (Vacuum Distillation)	300 °F and 27 mm Hg Pressure

Section 10: Stability and Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions. May react vigorously with strong acids.

Chemical Stability: The product is stable at normal handling and storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Moisture. Extremely high or low temperatures. Incompatible materials.

Incompatible Materials: Acids. Oxidizers. Reducing agents.

Hazardous Decomposition Products: Thermal decomposition generates: Carbon oxides (CO, CO₂). Irritating or toxic vapors.

Section 11: Toxicological Information

Information on Toxicological Effects - Components

Dipropylene Glycol Monomethylether

CAS # 034590-94-8

Acute Toxicity

Ingestion

LD50, rat > 5,000 mg/kg

Dermal LD50, rabbit 9,510 mg/kg

Inhalation No deaths occurred at this concentration. LC50, 7 h, Vapor, rat 3.35 mg/l

Eye damage/eye irritation May cause slight temporary eye irritation. Corneal injury is unlikely.

Skin corrosion/irritation Prolonged exposure not likely to cause significant skin irritation.

Sensitization Skin Did not cause allergic skin reactions when tested in humans.

Respiratory No relevant data found. Repeated Dose Toxicity Symptoms of excessive exposure may be anesthetic or narcotic effects; dizziness and drowsiness may be observed.

Chronic Toxicity and Carcinogenicity For similar material(s): Did not cause cancer in laboratory animals.

Developmental Toxicity Did not cause birth defects or any other fetal effects in laboratory animals. Reproductive Toxicity For similar material(s): In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

Genetic Toxicology In vitro genetic toxicity studies were negative.

1,3-dioxolan-2-one, Methyl (PC)

CAS# 108-32-7

Acute Toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard.

Oral

Type of value: LD50 Species: rat (male/female) Value: > 5,000 mg/kg (OECD Guideline 401) Limit concentration test only (LIMIT test). No mortality was observed.

Inhalation Species: rat (no data) Value: (IRT) Exposure time: 8 h . No mortality within the stated exposition time as shown in animal studies.

Dermal

Type of value: LD50 Species: rabbit (male/female) Value: > 2,000 mg/kg (OECD Guideline 402) Limit concentration test only (LIMIT test). No mortality was observed.

Assessment other acute effects Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Eye contact causes irritation.

Skin Species: rabbit Result: non-irritant Method: Draize test

Eye Species: rabbit Result: Irritant. Method: OECD Guideline 405

Sensitization Assessment of sensitization: The substance did not cause skin sensitization in humans.

Patch-Test Species: human Result: Non-sensitizing. Method: Human patch test

Aspiration Hazard No aspiration hazard expected.

Section 11: Toxicological Information (cont'd)

1,3-dioxolan-2-one, Methyl (PC) CAS# 108-32-7 (cont'd)

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. No adverse effects were observed after repeated inhalative exposure in animal studies. After repeated exposure the prominent effect is local irritation.

Genetic toxicity Assessment of mutagenicity: No mutagenic effect was found in various tests with microorganisms and mammalian cell culture. The substance was not mutagenic in a test with mammals.

Carcinogenicity

Assessment of carcinogenicity: Dermal exposure is not expected to be carcinogenic. Reproductive toxicity Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. No effects have been reported in reproductive organs in long term animal studies.

Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. No effects have been reported in reproductive organs in long term animal studies.

Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further symptoms are possible.

Medical conditions aggravated by overexposure

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product. See MSDS section 11 - Toxicological information.

Section 12: Ecological Information

Information on Ecological Effects - Components

Dipropylene Glycol Monomethylether

CAS # 034590-94-8

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

Fish Acute & Prolonged Toxicity LC50, *Poecilia reticulata* (guppy), static test, 96 h: > 1,000 mg/l

Aquatic Invertebrate Acute Toxicity LC50, *Daphnia magna* (Water flea), static test, 48 h, lethality: 1,919 mg/l LC50, *Crangon crangon* (shrimp), semi-static test, 96 h: > 1,000 mg/l

Aquatic Plant Toxicity ErC50, *Pseudokirchneriella subcapitata* (green algae), static test, biomass growth inhibition, 96 h: > 969 mg/l

Aquatic Invertebrates Chronic Toxicity Value *Daphnia magna* (Water flea), flow-through test, 22 d, NOEC: > 0.5 mg/l, LOEC: > 0.5 mg/l

Persistence and Degradability

Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable (reaches > 70% biodegradation in OECD test(s) for inherent biodegradability).

OECD Biodegradation Tests: Biodegradation Exposure Time Method 10 Day Window 75 % 28 d OECD 301F Test pass

Indirect Photodegradation with OH Radicals Rate Constant Atmospheric Half-life Method

5.00E-05 cm³/s 3.4 - 10.4 h Estimated.

Biological oxygen demand (BOD): BOD 5 BOD 10 BOD 20 BOD 28 0 % 0 % 31.6 %

Chemical Oxygen Demand: 2.02 mg/mg

Theoretical Oxygen Demand: 2.06 mg/mg Bioaccumulative potential Bioaccumulation:

Bio concentration potential is low (BCF < 100 or Log Pow < 3).

Partition coefficient, n-octanol/water (log Pow): 1.01 Measured

Mobility in soil

Mobility in soil: Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process., Potential for mobility in soil is very high (Koc between 0 and 50).

Partition coefficient, soil organic carbon/water (Koc): 0.28 Estimated.

Henry's Law Constant (H): 1.6E-07 atm*m³/mole; 25 °C Estimated.

Section 12: Ecological Information (cont'd)

Information on Ecological Effects - Components

1,3-dioxolan-2-one, Methyl (PC)

CAS# 108-32-7

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:

LC50 (96 h) > 1,000 mg/l, *Cyprinus carpio* (Directive 92/119/EEC, C.1, semistatic) The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates:

EC50 (48 h) > 1,000 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static) The details of the toxic effect relate to the nominal concentration.

Aquatic plants:

EC50 (72 h) > 900 mg/l (growth rate), *Desmodium subspicatus* (OECD Guideline 201, static) The statement of the toxic effect relates to the analytically determined concentration.

Chronic toxicity to fish:

Study scientifically not justified.

Chronic toxicity to aquatic invertebrates:

Study scientifically not justified. Assessment of terrestrial toxicity Study scientifically not justified.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms:

DIN 38412 Part 8 aquatic bacterium/EC10 (16 h): 7,400 mg/l Persistence and degradability

Assessment biodegradation and elimination (H2O):

Readily biodegradable (according to OECD criteria).

Elimination information

90 - 100 % DOC reduction (14 d) (OECD 301 A (new version)) (aerobic, activated sludge, domestic)

Assessment of stability in water:

Study scientifically not justified.

Bioaccumulative potential

Assessment bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Bioaccumulation potential:

Study scientifically not justified.

Mobility in soil

Assessment transport between environmental compartments

The substance will slowly evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is not expected.

Additional information:

Absorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Other Eco toxicological advice:

Do not release untreated into natural waters.

Section 13: Disposal Considerations

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations. **Waste characterizations and compliance with applicable laws are solely the responsibility of the waste generator**

Additional Information: Container remains hazardous when empty. Continue to observe all precautions. This product, if discarded, would not be a hazardous waste by listing and is not expected to be a characteristic hazardous waste. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

Section 14: Transport Information

Proper Shipping Name:	SURF X FLUSH 2000™ POLYURETHANE FOAM/RESINE REMOVER
DOT Identification Number:	Class 55
NMFC Number:	4858003
Land DOT Hazard Class:	Combustible Liquid (NO ODCs, NON-FLAMMABLE, NON-CORROSIVE, WATER-MISCIBLE)
Hazardous Ingredients:	See Section I, VI and Section IX
In Accordance with IMDG	Not regulated for transport
In Accordance with IATA	Not regulated for transport
In Accordance with TDG	Not regulated for transport

Section 15: Regulatory Information

OSHA Hazard Communication Standard
Dipropylene Glycol Monomethylether CAS # 34590-94-8

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 Immediate (Acute) Health Hazard; Yes
Delayed (Chronic) Health Hazard; No

Fire Hazard; Yes

Reactive Hazard; No

Sudden Release of Pressure Hazard; No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986)

Section 313:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List:

The following product components are cited in the Pennsylvania Hazardous Substance List and/or the Pennsylvania Environmental Substance List, and are present at levels which require reporting.

Component:

Dipropylene glycol monomethyl ether CAS # 34590-94-8 Amount > 99.0 %

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Section 15: Regulatory Information (cont'd)

OSHA Hazard Communication Standard

Dipropylene Glycol Monomethylether CAS # 34590-94-8 (cont'd)

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product does not contain any listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

US. Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

CEPA - Domestic Substances List (DSL)

This product contains one or more substances which are not listed on the Canadian Domestic Substances List (DSL).

1,3-dioxolan-2-one, Methyl (PC) CAS# 108-32-7

OSHA Hazards: Moderate eye irritant

WHMIS Classification: D2B : Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material **does not contain** any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity:

This material **does not contain** any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Acute Health Hazard

SARA 302: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

This material **does not contain** any chemi-cal components with known CAS numbers that exceed the threshold (De Minimis) reporting levels estab-lished by SARA Title III, Section 313.

Clean Air Act

This product **does not contain** any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product **does not contain** any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product **does not contain** any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product **does not contain** any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product **does not contain** any Hazardous Chemicals listed under the U.S. Clean-Water Act, Section 311, Table 117.3.

This product **does not contain** any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know: 108-32-7 Propylene carbonate 90 - 100%

New Jersey Right To Know: 108-32-7 Propylene carbonate 90 - 100%

California Prop 65: This product **does not contain** any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 15: Regulatory Information (cont'd)

The components of this product are reported in the following inventories:

United States TSCA Inventory:	y (positive listing)(On TSCA Inventory)
Canadian Domestic Substances List (DSL):	y (positive listing) All components of this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS):	y (positive listing) On the inventory, or in compliance with the inventory)
New Zealand. Inventory of Chemical Substances:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory:	y (positive listing) (On the inventory, or in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI):	y (positive listing) (On the inventory, or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC):	y (positive listing) (On the inventory, or in compliance with the inventory)

Section 16: Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Rating
 0 = Non Regulated
 1 = Low
 2 = Moderate
 3 = High
 4 = Extreme

HMIS RATING	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PROTECTION	0



HMIS (Hazardous Material Information Association)

NFPA (National Fire Protection System)

Recommended monitoring method Exposure controls	None
Appropriate engineering controls	Not normally required.
Personal protection equipment Eye/face protection	Wear protective eye glasses for protection against liquid splashes.
	
Skin protection (Hand protection/ Other)	The following to be used as necessary: Gloves (Neoprene or Natural rubber).
	
Respiratory protection	Insufficient ventilation: Wear respiratory protection. Respirators - A NIOSH/MSHA approved air purifying respirator with a 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 any other circumstances where air purifying respirators may not provide adequate protection.
	
Thermal hazards	None
Environmental Exposure Controls	Do not allow to enter drains, sewers or watercourses.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State or Provincial, and local laws. The following specific information is made for the purpose of complying with numerous Federal, State or Provincial, and local laws and regulations. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.