



GLOBAL SPECIALTY PRODUCTS USA INC.

CIRR D BOND™ Crystallized Isocyanates Resin Remover

Safety Data Sheet

SDS-02-W409589

Version 6.0

according to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

Date of issue: 09/10/2018 Revision date: 09/10/2018 Supersedes: 04/01/2018

Section 1: Product and Company Identification

Product Identifier

Product Form: Mixture

Product Name: CIRR D BOND™ Crystallized Isocyanates Resin Remover

Product #: 02-W409589-SB

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

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www.gsp-usa-inc.com

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

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Chemical Emergency Number: ChemTel: 1-800-255-3924

Section 2: Hazards Identification

Classification (GHS-US) Classification of the mixture

HAZCOM Standard Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200)

GHS Classification

Flammable Liquids	:Category 4
Acute Toxicity (Oral)	:Category 4
Acute Toxicity (Inhalation)	:Category 4
Skin Irritation	:Category 2
Serious eye damage/eye irritation	:Category 2B

GHS Label Element

Hazard pictograms



Signal word

: Warning

Hazard statements

: H227 Combustible liquid
: H302 Harmful if swallowed
: H315 Causes skin irritation
: H320 Causes eye irritation
: H332 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:

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

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well ventilated area

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Section 2: Hazards Identification (cont'd)

RESPONSE:

P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

Rinse mouth.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P308 + P311: IF exposed or concerned: Call a POISON CENTER or doctor/ physician.

P308 + P313: IF exposed or concerned: Get medical advice/ attention.

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P362: Take off contaminated clothing and wash before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alco-hol-resistant foam to extinguish.

STORAGE:

P402: Store in a dry place.

P403 + P235 Store in a well-ventilated place. Keep cool.

DISPOSAL:

P501: Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

<u>Mixture</u>	<u>Name</u>	<u>Product Identifier CAS #</u>	<u>(Weight) %</u>
	2-Butoxyethoxy	111-76-2	15 - 30
	Benzyl Alcohol	100-51-6	60 - 90

Contains no other hazardous components at 1% or more as listed or defined in 29 CFR 1910, Subpart Z. This product contains other important & proprietary ingredients (co-solvents, wetting agents, 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.**
The exact composition in this product is under patent review

Section 4: First Aid Measures

Description of first aid measures

General Advice:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment. Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

Eye Contact:

In case of contact, wash immediately and continuously with flowing water for at least 30 minutes.

Remove contact lenses after the first 5 minutes and continue washing.

Obtain prompt medical consultation, preferably from an ophthalmologist.

Suitable emergency eye wash facility should be immediately available.

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration, or oxygen by a trained professional, using a pocket type respirator.

Section 4: First Aid Measures (cont'd)

Description of first aid measures:

Skin Contact:

Immediate continued and thorough washing of contaminated skin in flowing water for at least 30 minutes is imperative while removing contaminated clothing.

Prompt medical consultation is essential.

Remove contaminated clothing and shoes.

Properly dispose of leather items such as shoes, belts, and watchbands.

Suitable emergency safety shower facility should be immediately available.

Ingestion:

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband

Most important symptoms and effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Potential acute health effects:

Eye contact: Causes eye irritation.

Inhalation: Harmful if inhaled.

Skin contact: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed. May be irritating to mouth, throat and stomach

Over-exposure signs/symptoms

Eye contact: May cause irritation with symptoms of reddening, tearing and stinging.

Inhalation: May cause adverse respiratory effects including cough, tightness of chest and shortness of breath.

Skin contact: No specific data.

Ingestion: Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Potential chronic health effects

No known significant effects or critical hazards. Notes to physician Protection of first-aiders

Treat symptomatically. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

See toxicological information (Section 11)

Section 5: Fire Fighting Measures

Extinguishing media:

Suitable extinguishing media:

Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), Alcohol-resistant foam
Carbon dioxide (CO₂)

Dry chemical

Unsuitable extinguishing media:

High volume water jet

Hazardous Combustion Products:

No hazardous combustion products are known

Specific extinguishing methods:

Use a water spray to cool fully closed containers.

Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5: Fire Fighting Measures (cont'd)

Extinguishing media

Hazardous thermal decomposition:

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

Carbon oxides (CO, CO₂). Irritating or toxic vapors

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Further information

For safety reasons in case of fire, cans should be stored separately in closed containers.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency Procedures:

No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.

Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains

and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Approach release from upwind.

Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Prevent entry into sewers, water courses, basements or confined areas.

Section 7: Handling and Storage

Precautions for Safe Handling

Protective measures:

Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container in an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions for safe storage:

No Smoking

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7: Handling and Storage (cont'd)

Precautions for Safe Handling

Advice on protection against fire and explosion:

Do not spray on a naked flame or any incandescent material.
 Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling:

Avoid formation of aerosol.
 Do not breathe vapors/dust.
 Avoid contact with skin and eyes.
 For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.
 Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Occupational exposure limits

No exposure limit value known.

Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protection

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. When high levels of vapors or aerosols are not controlled by local ventilation, respiratory protection is recommended. Recommended: NIOSH approved air-purifying organic vapor and acid gas respirator. For emergency and other conditions where the exposure limits may be greatly exceeded, use an approved, positive pressure self-contained breathing apparatus or supplied air. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Skin protection

Chemical-resistant gloves. Recommended: Butyl rubber gloves. Fluorinated rubber Gloves Polyvinyl chloride - PVC Gloves After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations Permeation resistant clothing and foot protection.

Eye/face protection

chemical splash goggles.

Medical Surveillance Not available.

Components with workplace control parameters

CAS#	Components	Percentage	Value type (form of exposure)	Control parameters/Permissible concentration	Basis
111-76-2	2-Butoxy ethanol	15 - 30%	TWA	20 ppm	ACGIH
			TWA	5 ppm / 24 mg/m ³	NIOSH REL
			TWA	50 ppm / 240 mg/m ³	OSHA Z-1
			TWA	25 ppm / 120 mg/m ³	OSHA P0



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Section 9: Physical and Chemical Properties

Appearance	Clear Amber Liquid
Odor	Mild
Odor Threshold	N/A
pH (50% solution in water @ 68 °F):	8.6 - 9.2
Specific Gravity (68 °F)	0.9960 - 0.9965
Initial boiling point and boiling range (@ 760 [mm Hg])	385 - 485 °F
Flash point	208 °F or 97.78 °C (Method: Seta Closed Cup)
Evaporation rate (nBuAc = 1.00)	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Vapor pressure (@ 25 °C [mm Hg])	N/A
Vapor density	N/A
Relative density	N/A
Solubility(ies) water	Completely Miscible
Partion coefficient: n-octanol/water;	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity (Centipoise @ 68 °F): (Brookfield Spindle #3, 10 RPM)	1000 - 2000
Weight/Gallon	8.299 - 8.300 (lbs. / gal.)
Normal Working Concentrations/Temperature	Full Strength - maximum 150 °F
VOC Content (ASTM D-2369, Method 24)	6.77 lbs. / Gal or 811 mg / Lit

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. Exposure to heat, flames, sparks or other ignition. Avoid acidic conditions. Extremely high or low temperatures.

Incompatible Materials:

Strong oxidizing agents, acids. Iron, zinc, aluminum, reducing agents.

Hazardous Decomposition Products:

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



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Section 11: Toxicological Information

Information on Toxicological Effects - Components

2-Butoxyethoxy

CAS# 111-76-2

Local Effects:

Skin Irritation:

Hazardous in case of skin contact (irritant).

Eye Irritation:

Hazardous in case of eye contact (irritant).

Acute Toxicity(LD50):

745 mg/kg [Rat]. Assessment: The component/mixture is moderately toxic after single ingestion

Acute oral toxicity

2.4 mg/l 4 hours [Rat].

Acute dermal toxicity (LD50):

490 mg/kg [Rabbit].

Acute inhalation toxicity (LC50):

Harmful by inhalation

Serious eye damage/eye irritation

Irritating to eyes.

Species: Rabbit Result:

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

Confirmed animal carcinogen with unknown relevance to humans

Benzyl Alcohol

CAS# 100-51-6

Information on the likely routes of exposure

Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact

Causes eye irritation.

Inhalation

Harmful if inhaled.

Skin contact

No known significant effects or critical hazards.

Ingestion

Harmful if swallowed. May be irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

May cause irritation with symptoms of reddening, tearing and stinging.

Inhalation

May cause adverse respiratory effects including cough, tightness of chest and shortness of breath.

Skin contact

No specific data.

Ingestion

Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea.

Potential chronic health effects

Short term exposure

Potential immediate effects

Not available

Long term exposure

Potential delayed effects

Not available.

General

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Mutagenicity

No known significant effects or critical hazards.

Teratogenicity

No known significant effects or critical hazards.

Developmental effects

No known significant effects or critical hazards.

Fertility effects

No known significant effects or critical hazards



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Section 11: Toxicological Information (cont'd)

Information on Toxicological Effects - Components

Benzyl Alcohol

CAS# 100-51-6

Acute Toxicity: Long Term Effects: No information available for the product.

Toxicological Data:

Oral LD50 (rat): 1230 mg/kg

Oral LD50 (mice): 1360 mg/kg

Dermal LD50 (rabbit): 2000 mg/kg

Inhalation LC50 (rat): >4.178 mg/L/4 hour / LD50

(Oral) Rat 1,230 mg/kg

Irritation: Eyes No data available

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other Hazards Organ Description Eyes Irritating to the eyes.

Ingestion Harmful if ingested

Inhalation May be harmful if inhaled. Irritating to the respiratory tract.

Skin Harmful if absorbed through skin. Irritating to skin.

Section 12: Ecological Information

Information on Ecological Effects - Components

2-Butoxyethoxy

CAS# 111-76-2

Eco toxicity: No data available

Persistence and degradability: No data available

Bio accumulative potential: No data available

Mobility in soil: No data available

Other adverse effects

Product:

Ozone-Depletion Potential:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Pzone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I of Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No data available

Benzyl Alcohol

CAS# 100-51-6

Eco toxicity (aquatic and terrestrial, where available):

Acute Fish Toxicity (BENZYL ALCOHOL) LC50 / 96 hours Bluegill - 10 mg/L

Persistence and degradability: 92 - 96 % - Readily biodegradable.

Bio accumulative potential: No data available

Other adverse effects: Potential to become an environmental hazard is mishandled or through improper disposal.

Avoid contaminating waterways. 230 mg/L

Section 13: Disposal Considerations

Waste Disposal Recommendations: The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal state, provincial and or local environmental controls laws. **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. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24).

Section 14: Transport Information

Proper Shipping Name:	CIRR D BOND™ Crystalized Isocyanates 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

2-Butoxyethoxy

CAS# 111-76-2

WHMIS Classification: B3: Combustible Liquid

1A: Very Toxic Material Causing Immediate and Serious Toxic Effects
 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: Fire Hazard

Immediate (Acute) Health Hazard

SARA 302:

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

SARA 313:

The following components are subject to reporting levels established by SARA Title III, Section 313:

111-76-2 2-Butoxy ethanol

Section 15: Regulatory Information (cont'd)

2-Butoxyethoxy (cont'd)

CAS# 111-76-2

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).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

111-76-2 2-Butoxy ethanol

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. CleanWater 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	111-76-2	2-Butoxy ethanol	15 - 25 %
Pennsylvania Right To Know	111-76-2	2-Butoxy ethanol	15 - 25 %
New Jersey Right To Know	111-76-2	2-Butoxy ethanol	15 - 25 %

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

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

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECL : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

Section 15: Regulatory Information (cont'd)

Benzyl Alcohol **CAS# 100-51-6**

SARA311/312: : Immediate (acute) health hazard
SARA Title III Section 302 Extremely Hazardous Substances: : None

SARA Title III Section 313 Toxic Chemicals : None
US EPA CERCLA Hazardous Substances (40 CFR 302) : None

State regulations

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Ingredient name	CAS #	State Code	Concentration
Benzyl alcohol	100-51-6	MA- S, PA- RTK HS	35 - 50%

- Massachusetts Substances: MA - S
- Massachusetts Extraordinary Hazardous Substances: MA - Extra HS
- New Jersey Hazardous Substances: NJ - HS
- Pennsylvania RTK Hazardous Substances: PA - RTK HS
- Pennsylvania Special Hazardous Substances: PA - Special HS

California Prop. 65

To the best of our knowledge, **this product does not contain** any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

U.S. Toxic Substances Control Act: : Listed on the TSCA 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	1
PHYSICAL HAZARD	0
PROTECTION	0



HMIS (Hazardous Material Information Association)

NFPA (National Fire Protection System)

Section 16: Other Information (cont'd)

Recommended monitoring method Exposure controls	None
Appropriate engineering controls	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.
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.