



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2870	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	100% EPOXY PART A	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	100% Solids, Two-Component Epoxy Coating for Concrete	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Serious Eye Damage/Irritation: Category 2A Skin Irritation: Category 2 Skin Sensitizer: Category 1 Long-Term Hazards to Aquatic Environment: Category 2	SIGNAL WORD: DANGER	SYMBOL:		
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HAZARD STATEMENTS:

Warning: Causes serious eye irritation.
Warning: Causes skin irritation.
Warning: May cause an allergic skin reaction.
Toxic to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS:

Prevention:

P102: Keep out of reach of children.
P103: Read label before use.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs, get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
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.
P391: Collect spillage.

Disposal: P501: Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws.

OTHER NON-CLASSIFIABLE POTENTIAL HAZARDS:

Acute Toxicity, Oral: Category 4.
Germ Cell Mutagenicity: Category 2.
Toxic to Reproduction (fertility): Category 2.
Toxic to Reproduction (unborn child): Category 2.
Specific Target Organ Toxicity, Repeated Exposure (Skin, Central Nervous System (CNS)): Category 2.

POTENTIAL HEALTH EFFECTS:

Eyes: May cause irritation but no corneal injury is likely.
Skin: May cause irritation or allergic skin response.
Ingestion: This material has a probably low acute oral toxicity.
Inhalation: No guide for control known; however, exposure to heated vapors can cause irritation to the nose, throat or mucous membranes.

HEALTH HAZARDS (ACUTE & CHRONIC):

Epoxy resins can cause sensitization by exposure through contact or high concentrations of vapor.
Eyes: Injury is unlikely but stain for evidence of corneal injury.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Respiratory ingredients of this product are regulated as carcinogens.

CARCINOGENICITY:

OSHA: No.
NTP: No.
IARC: No.

ADDITIONAL CARCINOGENICITY INFORMATION:

Not available.

3. Composition / Information on Ingredients

Chemical Name	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
Modified diglycidyl ether of bisphenol A	25068-38-6	None	None	None	60-100
Alkyl glycidyl ether	68609-97-2	None	None	None	10-30
Siloxanes & silicones, di-me reactions products with silica (nonhazardous):	67762-90-7	None	None	None	0.1-1

Siloxanes & silicones, di-methyl (nonhazardous):	63148-62-9	None	None	None	0.1-1
Benzyl alcohol	100-51-6	None	None	None	1-5
Nonyl phenol	84852-15-3	None	None	None	3-7
Additive	NJT SRN 800963-5023	None	None	None	0.1-1
1,2-Propanediol	57-55-6	None	None	None	0.1-1
Oxirane, Me, polymer with oxirane monobutyl ether	9038-95-3	None	None	None	0.1-1
(fluoroaliphatic polymeric esters) contains 2-propenoic acid, 2-[Methyl](nonafluorobutyl) sulfonylaminoethyl ester, telomere with methyloxirane polymer with oxirane di-2-propenoate and methyloxirane polymer with oxirane mono-propenoate	1017237-78-3	None	None	None	<0.3
(fluoroaliphatic polymeric esters) contains 1-Butanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-n-(2-hydroxyethyl)-N-methyl-	34454-97-2	1 mg/m ³ (skin)	None	None	<0.1
(fluoroaliphatic polymeric esters) contain 2-propenoic acid, 2-[methyl]nonafluorobutyl)sulfonylaminoethyl ester	67584-55-8	None	None	None	<0.1
(fluoroaliphatic polymeric esters) contains polyether polymer	NJT SRN 04499600-6437	None	None	None	<0.1
(fluoroaliphatic polymeric esters) contains 2-methoxymethylethoxypropanol	34590-94-8	600 mg/m ³ (skin)	100 ppm	150 ppm	<0.1
(fluoroaliphatic polymeric esters) contain toluene	108-88-3	200 ppm	20 ppm	300 ppm	<0.1

**** Indicates toxic chemical(s) subject to the reporting requirements of Section 313 Title III and of 40 CFR 372.***

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Flush eyes with water for at least 15 minutes and consult a physician.

SKIN: Skin contact will normally cause no more than irritation but wash affected area with soap and water and remove contaminated clothing promptly.

INHALATION:

Remove victim to fresh air and administer oxygen if necessary.

INGESTION:

Low in toxicity, induce vomiting only if large amounts of material are ingested and otherwise do not induce vomiting. In either case, immediately consult a physician.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Foam, alcohol foam, CO₂, dry chemical, and water fog.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No unusual fire hazards known.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Do not enter confined fire area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool all fire exposed containers with water.

6. Accidental Release Measures

Wear respirator and protective clothing, shut off the source at the leak. Remove excess with vacuum truck and take up the remainder with an absorbent such as clay and place in disposal containers. Flush area with water to remove residue.

7. Handling and Storage

SAFE HANDLING:

Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components. Therefore, read the SDS of all the components prior to using material. Properly label all containers. Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof.

SAFE STORAGE & INCOMPATIBILITIES:

Store in a cool, dry place. Seal all partially used containers.

8. Exposure Controls / Personal Protection

APPROPRIATE ENGINEERING CONSIDERATIONS:

General exhaust is usually sufficient to control vapors and exposure hazards.

PERSONAL PROTECTIVE EQUIPMENT:



Face Protection: Splash goggles or glasses with side shields.

Skin Protection: Protective Gloves: Impervious gloves-neoprene or rubber. Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Respiratory Protection: Use a NIOSH-approved respirator as required to prevent overexposure to vapor in accordance with 29 CFR

1910.134. General exhaust is usually sufficient in lieu of NIOSH respirator.

General Hygiene Considerations: Observe good general hygienic practices.

See Section 3 for occupational exposure limit values.

9. Physical & Chemical Properties

Appearance:	Low viscosity liquid.	Flammable Limits(air) Upper/Lower:	Not available.
Color:	Amber, clear.	Vapor Density(Air=1):	Not available.
Odor Threshold:	Not available.	Vapor Pressure:	Not available.
pH:	Not available.	Solubility (water):	Negligible.
Melting/Freezing Point:	Not available.	Auto Ignition Temperature:	Not available.
Boiling Point/Range:	200°F	Decomposition Temperature:	Not available.
Flash Point:	200°F Method: Seta flash	Partition Coeff (n-octanol/water):	Not available.
Specific Gravity(H₂O=1):	1.1	Evaporation Rate:	Not available.

10. Stability & Reactivity Information

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

Avoid excessive heat or open flames.

INCOMPATIBLE MATERIALS:

Can react vigorously with strong oxidizing agents and strong Lewis acids or mineral acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

CO₂, aldehydes, acids. Reaction with some curing agents can generate large amounts of heat.

11. Toxicological Information

No data for the product itself – COMPONENT DATA:

COMPONENT CAS# 25068-38-6:

Moderate sensitizer, slight eye irritant. Moderate skin irritant. Oral LD50 >5000 mg/kg (rat), Dermal LD50 >6000 mg/kg (rabbit).

COMPONENT CAS # 68609-97-2:

Possible sensitizer, eye and skin irritant, Oral LD50 >10000 mg/kg (rat), Inhalation LD50 – no microscopic changes.

COMPONENT NONYL PHENOL:

Median Lethal Dose Oral: LD50 0.58 g/kg (rat) moderately toxic. Dermal LD50 2.14 g/kg (rabbit) slightly toxic. Skin Draize Test, rabbit: 500 mg/m² 24 hour – corrosive. Eyes Draize test rabbit, 57.00/110 – extremely irritating. Component is a possible risk of impaired fertility.

COMPONENT BENZYL ALCOHOL:

Inhalation LC50 (4 hours) >4178 mg/l (rat), Dermal LD50 2000 mg/kg (rabbit). Rats exposed to 800 mg/kg for 13 weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No observed Adverse effect level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in two-year study with rats and mice.

COMPONENT ADDITIVE NJTSRN 800963-5023:

Acute oral toxicity: LD50 rat >8,000,000 mg/kg; skin irritation rabbit – no skin irritation.

COMPONENT CAS #57-55-6:

LD50 = 20000 mg/kg

12. Ecological Information

No data for the product itself – COMPONENT DATA:

COMPONENT CAS# 25068-38-6:

Biodegradability (Modified Sturm Method) 12%, Fish toxicity: Rainbow trout (96 hours) LC50 1.5 mg/l, Zebra Fish (96 hours) LC50 2.4 mg/l. Invertebrate Toxicity: Daphnia Toxicity (24 hours) EC50 3.6 mg/l.

COMPONENT NONYL PHENOL:

Ecotoxicity: Daphnia EC50: 0.14-0.44 mg/l, 48 hours. Component is not readily biodegradable, log Pow: 3-4. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Aquatic Toxicity LC50 96 hours, toxicity rating is <0.10 ppm – extremely toxic.

COMPONENT BENZYL ALCOHOL:

EC50 (48 hours) 400 mg/l Daphnia Magna, EC50 (72 hours) 2600 mg/l Algae, Biodegradation BOD₂ 62. Slightly or not bioaccumulative. Toxicity to fish: LC50 (96 hours) 10 mg/l Bluegill sunfish (Lepomis macrochirus), LC50 (96 hours) 460 ml/l Fathead minnow (Pimephales promelas), Toxicity to Algae: IC50 (72 hours) 700 mg/l.

(COMPONENT FLUROALIPHATIC POLYMERIC ESTERS):

Ecological information not determined. Chemical fate information not determined.

13. Disposal Consideration

Dispose of the material in a waste disposal site in accordance with local, state and federal law.

14. Transportation Information

DOT: Not regulated.

IMO/IMDG:

UN3082, Environmentally hazardous substances, liquid, N.O.S. (contains Bisphenol A Diglycidyl Ether Polymer), 9, PGIII, Marine pollutant.

15. Regulatory Information

No data for the product itself – COMPONENT DATA:

COMPONENT CAS #25068-38-6:

Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right To Know List; is on the PA Right to Know List.

COMPONENT CAS #68609-97-2:

Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, Is on the New Jersey Right to Know list; is on the PA Right to Know list.

EPA SARA Title III Section 313 components above the de minimus level: None.

COMPONENT SILOXANES AND SILICONES; DI-ME REACTIONS PRODUCTS WITH SILICA:

Included on TSCA, EINECS, MITI, ACOIN, and Canadian DSL inventory or lists.

COMPONENT SILOXANES AND SILICONES; DI-METHYL:

Included on TSCA, EINECS, MITI, ACOIN, and Canadian DSL inventory or lists.

COMPONENT BENZYL ALCOHOL:

E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada.

COMPONENT NONYL PHENOL:

This component is listed on TSCA, EINECS, ACS, MITI and Canada DSL lists.

COMPONENT ADDITIVE NJTSRN 800963-5023:

On TSCA List. Not a California Prop 65 chemical.

COMPONENT CAS #57-55-6:

Listed on TSCA and DSL.

COMPONENT CAS #9038-95-3:

Listed on TSCA and Canada DSL.

COMPONENT FLUROALIPHATIC POLYMERIC ESTERS:

May contain trace amounts of Section 313 toxic chemicals toluene CAS #108-88-3. Components on TSCA list or in compliance. Contains chemicals that can cause birth defects or other reproductive harm. The ingredients are on DSL, CANADA, China's inventory of chemical substances, EINECS, Koreans Existing Chemical Inventory Toluene is a California proposition 65 chemical (female reproductive toxin, developmental toxin). This component contains a TSCA section 12(b) chemical (CAS #1017237-78-3), but is in a quantity less than 0.3%

16. Other Information

HMIS	Health Hazards: 1	Flammability: 1	Physical hazards: 0	Personal protection: B
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DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2870	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	100% EPOXY – PART B	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	100% Solids, Two-Component Epoxy Coating for Concrete	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Skin Corrosion/Irritation: Category 1 Skin Sensitizer: Category 1B Serious Eye Damage: Category 1 Acute Hazard to Aquatic Environment: Category 3 Chronic Hazards to Aquatic Environment: Category 2	SIGNAL WORD: DANGER	SYMBOL:			
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HAZARD STATEMENTS:

Danger: Causes severe skin burns and eye damage.
Warning: May cause an allergic skin reaction.
Danger: Causes serious eye damage.
Harmful to aquatic life.
Toxic to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS:

Prevention:

P102: Keep out of reach of children.
P103: Read label before use.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.

Response:

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P321: If skin irritation or burns develop, call a doctor/physician.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: If in eyes, immediately call a POISON CENTER or doctor/physician.

Storage: P405: Store locked up.

Disposal: P501: Dispose of contents/container to a wash disposal facility in accordance with local, state, federal or international laws.

POTENTIAL HEALTH EFFECTS:

Eyes: Will cause burns to the eyes. High vapor concentrations can cause severe irritation to the eyes.
Skin: Can cause skin irritation or possible burns to the skin.
Ingestion: Liquid can cause severe damage to mucous membranes if swallowed.
Inhalation: High concentrations of vapor can cause irritation to the respiratory tract, nausea and dizziness.

HEALTH HAZARDS (ACUTE & CHRONIC):

Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Respiratory conditions or other allergic ailments.

CARCINOGENICITY:

OSHA: No.
NTP: No.
IARC: No

ADDITIONAL CARCINOGENICITY INFORMATION:

No listed ingredients of this product are regulated as carcinogens.

3. Composition / Information on Ingredients

Chemical Name	CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
Benzyl alcohol	100-51-6	None.	None.	None.	30-60
3-aminomethyl-3,5,5-trimethyl cyclohexane	2855-13-2	None.	None.	None.	30-60
2-hydroxybenzoic acid	69-72-7	None.	None.	None.	3-7
Cycloaliphatic Amine Adduct	68609-08-5	None.	None.	None.	10-30

*Indicates toxic chemical(s) subject to the reporting requirement of Section 313 of title III and of 40 CFR 372.

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Immediately flush with large amounts of water for at least 15 minutes while lifting upper and lower lids. Get immediate medical assistance.
SKIN: Flush skin with water for at least 15 minutes and remove all contaminated clothing immediately. Get medical attention if reddening or swelling occurs.
INHALATION:
Remove to fresh air if effects persist and administer oxygen if necessary.
INGESTION:
Do not induce vomiting. Dilute by giving water or milk to drink if victim is conscious. Get medical attention immediately.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Foam, alcohol foam, CO₂ and water fog.

UNUSUAL FIRE & EXPLOSION HAZARDS:

None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Cool fire exposed containers with water.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Toxic fumes will be evolved when this material is involved in a fire. A self-contained breathing apparatus should be available for firefighting.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Avoid contact with material. Wear the appropriate safety equipment.

METHODS & MATERIAL FOR CONTAINMENT & CLEANUP:

Stop spill at source. Dyke area to prevent spreading. Pump liquid to salvage tank. Take up remainder with clay or other absorbent and place in disposal containers.

7. Handling and Storage

SAFE HANDLING:

Avoid all skin contact. Avoid breathing vapors. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Observe conditions of good industrial hygiene and safe working practices.

SAFE STORAGE & INCOMPATIBILITIES:

Reseal partially used containers. Properly label all containers.

OTHER PRECAUTIONS:

Mixed materials contain the hazards of all the components. Therefore, read the SDS of all components to become familiar with all hazards prior to using this product.

8. Exposure Controls / Personal Protection

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:

See Section 3 for occupational exposure limit values.

APPROPRIATE ENGINEERING CONTROLS:

Avoid breathing vapors. Ventilation must be sufficient to control vapors.

PERSONAL PROTECTIVE EQUIPMENT:



Face Protection: Splash goggles or glasses with side shields.

Skin Protection: Impervious gloves – neoprene or rubber. Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Respiratory Protection: NIOSH-approved respirator protection required in the absence of proper environmental controls. For emergencies, a self-contained breathing apparatus or a full face respirator is recommended.

General Hygiene Considerations: Observe good general hygienic practices.

9. Physical & Chemical Properties

Appearance:	Liquid.	Flammable Limits (% by vol):	Upper and lower not available.
Color:	Amber, clear.	Vapor Density(AIR=1):	Not available.
Odor:	Amine odor.	Vapor Pressure:	Not available.
Odor Threshold:	Not available.	Solubility (water):	Negligible.
pH:	Not available.	Auto Ignition Temperature:	Not available.
Melting/Freezing Point:	Not available.	Decomposition Temperature:	Not available.
Boiling Point/Range:	155°F-401°F	Partition Coeff (n-octanol/water):	Not available.
Flash Point:	200°+F Method: Seta flash.	Evaporation Rate:	Not available.
Specific Gravity(H₂O=1):	1.0		

10. Stability & Reactivity Information

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

Avoid excessive heat or open flames.

INCOMPATIBLE MATERIALS:

Can react vigorously with strong oxidizing agents and strong Lewis acids or mineral acids.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
CO₂, aldehydes, acids. Reaction with some curing agents can generate large amounts of heat.

11. Toxicological Information

No data for the product itself. COMPONENT DATA:

COMPONENT BENZYL ALCOHOL:

Inhalation LC50 (4 hours) >4178 mg/l (rat), Dermal LD50 2000 mg/kg (rabbit). Rats exposed to 800 mg/kg for 13 weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No observed adverse effect level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in two-year study with rats and mice.

COMPONENT CAS #2855-13-2:

Oral LD50 rat 1030 mg/kg. Skin irritation – Corrosive subcategory 1C where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days. Eye irritation – Risk of serious damage to eyes. Product sensitization (Magnusson-Kingman test) guinea pig: May cause sensitization by skin contact. Product teratogenicity oral rat NOEL (no observed effect level) 250 mg/kg.

COMPONENT CAS #69-72-7:

Acute Oral Toxicity LD50 (rat) = 891 mg/kg (behavioral somnolence (general depressed activity, behavioral muscle weakness). Acute Inhalation LC50 (rat) >900 mg/m³, 1 hour. Acute Dermal LD50 (rabbit) >10,000 mg/kg. Skin irritation (rabbit) – Mild skin irritation 24 hours. Eye Irritation (rabbit) – Severe eye irritation.

12. Ecological Information

No data for the product itself. COMPONENT DATA:

COMPONENT BENZYL ALCOHOL:

EC50 (48 hours) 400 mg/l Daphnia Magna, EC50 (72 hours) 2,600 mg/l Algae, Biodegradation BOD₂ 62. Slightly or not bioaccumulative. Toxicity to fish: LC50 (96 hours) 10 mg/l Bluegill sunfish (*Lepomis macrochirus*), LC50 (96 hour) 460 ml/l Fathead minnow (*Pimephales promelas*). Toxicity to algae: IC50 (72 hours) 700 mg/l.

COMPONENT CAS #2855-13-2:

Biodegradability 42% and is not readily biodegradable. Bioaccumulation: No significant accumulation of the substance in organisms is to be expected. Mobility: The soil mobility of the substance is only minimally affected by absorption to soil components. Toxicity to fish: LC50 *Leuciscus idus* 110 mg/l (96 hours). Toxicity to Daphnia NOEC 3 mg/l (504 hour). EC50 *Daphnia magna* 23 mg/l (48 hour). ErC50 *scenedesmus subspicatus* 50 mg/l (72 hours), NOEC *scenedesmus subspicatus* 1.5 mg/l (72 hours). Toxicity to bacteria: EC10 *Pseudomonas putida* 1120 mg/l (18 hours).

COMPONENT CAS #69-72-7:

Toxicity to Fish LC50 (*Leuciscus idus* – 96 mg/l. Toxicity to *Daphnia magna* – 105 mg/l, 24 hours. Component Mutagenic Effects: Mutagenic for bacteria and/or yeast. Developmental toxicity: Classified reproductive system toxin/female, development toxin possible.

13. Disposal Consideration

Dispose of material as a hazardous waste according to federal, state and local regulations.

14. Transportation Information

DOT: UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS ISOPHORONE DIAMINE), 8, PG III

IMO/IMDG: UN1760, CORROSIVE LIQUID N.O.S. (CONTAINS ISOPHORONE DIAMINE), 8, PG III

15. Regulatory Information

No data for the product itself. COMPONENT DATA:

COMPONENT BENZYL ALCOHOL:

E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada.

COMPONENT CAS #2855-13-2:

Acute health hazard. Ingredients on TSCA. International chemical status listed/registered – EINECS/ELINCS, DSL, AICS, MITI, PICCS, China, New Zealand.

COMPONENT CAS #69-72-7:

Component is on the Pennsylvania and New Jersey Right to Know lists. Component is on the TSCA and Canada DSL lists.

COMPONENT cas #68609-08-5:

Is on the Canada DSL and TSCA lists.

16. Other Information

HMIS	Health Hazards: 2	Flammability: 1	Physical hazards: 0	Personal protection: G
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DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.