



UV Clear Epoxy Top Coat Safety Data Sheet

SDS Revision Date: 4/18/2023

1. Product and Company Identification

Product Name	UV Clear Epoxy Top Coat
Product Codes	UV Clear Epoxy Top Coat
Manufacturer	Concrete Floor Solutions, Inc.
Street Address	6801 Tilghman Street #113
City, State, Zip	Allentown, PA 18106
Information Phone	610-366-0208
Emergency Phone	Chemtrec 800-424-9300
Prepared By	Jason Kehnel
Date Revised	4/18/2023
Chemical Name or Class	Epoxy mixture

2. Hazards Identification

GHS Classification: Serious eye damage/eye irritation category 2A, Skin irritation category 2, Skin sensitizer category 1, Long term hazards to aquatic environment category 2

GHS Label Elements and Precautionary Statements:
Label Elements: Exclamation Mark, Aquatic Toxicity



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

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Precautionary statements:

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.

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

HMIS Hazard Classification

Health: 1 Flammability: 1 Reactivity: 0 Personal Protective Equipment: B

Potential Health Effects

Eyes: May cause irritation but no corneal injury is likely.

Skin: May cause irritation or allergic skin reaction.

Ingestion: This material has a probable 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 and 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: Yes

Additional carcinogenicity information:

N/A

3. Composition/Information on Ingredients

Ingredient	Cas No.	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 and silicones, di-me reactions products with silica (non-hazardous)	67762-90-7	NONE	NONE	NONE	0.1-1
siloxanes and silicones, di-methyl (non-hazardous)	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	NJTSRN 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) sulfonyl]amino]ethyl 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-hydr	34454-97-2	1 mg/m3 (skin)	NONE	NONE	<0.1%

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oxyethyl)-N-methyl-					
(fluoroaliphatic polymeric esters) contain 2-propenoic acid, 2-[methyl]nonafluorobutyl)sulfonyl]amino]ethyl 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-methoxymethylethoxy propanol	34590-94-8	600 mg/m ³ (skin)	100 ppm	150 ppm	<0.1%
(fluoroaliphatic polymeric esters) contain toluene	100-88-3	200 ppm	20 ppm	300 ppm	<0.1%
2-Propanol, 1-methoxy	107-98-2	100 ppm	100 ppm	150 ppm	0.1-1
Stabilizer (non hazardous)	Trade Secret	NONE	NONE	NONE	1-5

SECTION 3 NOTES:

**** 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

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

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

Inhalation: Remove to fresh air and administer oxygen if necessary.

5. Fire Fighting Measures

Flammable limits in air Upper: N/A
(% by volume) Lower: N/A

Flash point 200+F

Method used Seta Flash

Extinguishing media Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog

Special fire fighting procedures Do not enter a confined fire area without full bunker gear

including a positive pressure NIOSH approved self contained breathing apparatus. Cool all fire exposed containers with water.

Unusual fire and explosion hazards No unusual fire hazards known

6. Release Measures

Steps to be taken in case material is released or spilled - Wear respirator and protective clothing, shut off the source at the leak. Remove excess with a 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

Precautions to be taken in handling and storage: Store in a cool dry place. Seal all partially used containers. 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 MSDS of all the components prior to using material. Properly label all containers.

Other precautions: Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles can not be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof.

8. Exposure Controls/Personal Protection

Respiratory protection: use a NIOSH approved respirator as required to prevent over exposure to vapor in accordance with 29 cfr 1910.134. General exhaust is usually sufficient in lieu of niosh respirator.

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

Protective gloves: Impervious gloves – neoprene or rubber

Eye protection: Splash goggles or glasses with side shields.

Other protective clothing or equipment: Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Work hygienic practices: Observe good general hygienic practices

See Section 3 for occupational exposure limit values

9. Physical and Chemical Properties

Appearance and Odor - Low viscosity liquid - amber clear

Boiling Point or Range - 200+F

Vapor Density (Air = 1) - Not available

Specific Gravity (H₂O = 1) - 1.1

Evaporation Rate - Not available

Solubility in Water - Negligible

Odor Threshold - N/A

pH - N/A

Melting Point/Freezing Point - N/A

Vapor Pressure - N/A

Auto Ignition Temperature - N/A

Partition Coefficient: n-octanol/water - N/A

Decomposition Temperature- N/A

10. Stability and Reactivity

Stability - stable

Conditions to Avoid (Stability) - avoid excessive heat or open flames

Incompatibility (Material to Avoid) - can react vigorously with strong oxidizing agents and strong lewis acids or mineral acids

Hazardous Decomposition or By-Products - CO₂, aldehydes, acids. Reaction with some curing agents can generate large amounts of heat

Hazardous Polymerization - will not occur

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 0.58g/kg (rat) moderately toxic. Dermal LD₅₀ 2.14g/kg (rabbit) slightly toxic. Skin Draize Test, rabbit, : 500 mg/m³ 24hr – corrosive. Eyes Draize test rabbit, 57.00/110 – extremely irritating. Component is a possible risk of impaired fertility.

Component Benzyl Alcohol: Inhalation LC₅₀ (4hr) >4178 mg/l (rat), Dermal LD₅₀ 2000 mg/kg (rabbit) Rats exposed to 800 mg/kg for thirteen 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 a 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

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Component CAS# 107-98-2 and Stabilizer: Acute oral toxicity: LD50 / oral / rat: > 2,000 mg/kg (Based on components). Acute inhalation toxicity LC50 / by inhalation / rat: Value of the main component. Acute dermal toxicity LD50 / dermal / rat: > 2,000 mg/kg (Based on components) Skin irritation: Information on: Stabilizer (Rabbits) Not an irritant. Information on: 2-Propanol, 1-methoxy- (Rabbits) Mild skin irritant. (RTECS, 1995). Eye irritation: Information on: Stabilizer (Rabbits) Not an irritant. Information on: 2-Propanol, 1-methoxy- (Rabbits) Mild to moderate irritant. Respiratory irritation: Information on: 2-Propanol, 1-methoxy- May cause dizziness or headaches Causes respiratory tract irritation. Skin Sensitization: Information on: Stabilizer (Guinea pig) Maximization test: Not a sensitizer. (0/20 positive). Subacute toxicity: not determined. Chronic toxicity: not determined. Subchronic Toxicity: Information on: 2-Propanol, 1-methoxy- Repeated overexposure to 1-methoxy-2-propanol may cause liver and kidney damage and delayed skeletal development of the fetus, based on animal studies. Subchronic Toxicity: Information on: Stabilizer Rats were fed at levels of 0, 10.8, 52.2, 243 and 1,085 mg/kg in the diet for 28-days, with a 4-week recovery period. In the high dose group, slightly increased food consumption, minimally larger blood platelet count (reversible) and increased liver weights in females (reversible) were observed. The NOEL was 243 mg/kg/day. Genetic toxicity: Information on: 2-Propanol, 1-methoxy-Ames Test: negative (w/wo metabolic activation) (CHO Cells) Chromosomal Aberration Assay: Negative. Carcinogenicity None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen. Information on: 2-Propanol, 1-methoxy- Reproductive toxicity: Information on: 2-Propanol, 1-methoxy-Inhalation exposure to make rats and rabbits of 300, 1,000 or 3,000 ppm, six hours/day, 5-day/week for 13 weeks did not show evidence of testicular effects. Developmental toxicity/teratogenicity: Information on: 2-Propanol, 1-methoxy- (Mice) (Rabbits) Exposure to 0.04 to 2 mg/kg/day during the first 18 to 21 days of gestation were found to cause no effects in mice and rabbits; delayed ossification was seen in the (Rats) Inhalation of 3,000 ppm for 6 hrs/day on day 6 to 15 of pregnancy was found to cause delayed ossification in offspring.

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 (96hr) LC50 1.5mg/l, Zebra Fish (96hr) LC50 2.4 mg/l. Invertebrate Toxicity: Daphnia Toxicity (24hr) EC 50 3.6 mg/l

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Component Nonyl Phenol: Ecotoxicity: Daphnia EC50: 0.14-0.44 mg/l, 48 hr. 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 hr, toxicity rating is <0.10 ppm – extremely toxic

Component Benzyl Alcohol: EC50 (48hr) 400 mg/l Daphnia Magna, EC50 (72hr) 2600 mg/l Algae, Biodegradation BOD₂ 62. Slightly or not bioaccumulative. Toxicity to fish: LC50 (96 hr) 10 mg/l Bluegill sunfish (*Lepomis macrochirus*), LC50 (96hr) 460 ml/l Fathead minnow (*Pimephales promelas*), Toxicity to Algae: IC50 (72hr) 700 mg/l (Component fluoroaliphatic polymeric esters) Ecological information not determined, Chemical fate information not determined.

Component CAS@ 107-98-2 and Stabilizer: Toxicity to aquatic invertebrates:Daphnia magna/48 h/EC50: > 100 mg/l

Tested as preparation. Toxicity to aquatic plants: Not tested. Toxicity to microorganisms: Not tested. Biodegradation:

Not tested. Bioaccumulation: OECD Guideline 305. C Bioconcentration factor: < 50.

13. Waste Disposal

Waste Disposal Method: Dispose of material in a waste disposal site in accordance with local, state, and federal law.

14. Transport 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 minimis 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.

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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, ACIS, 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 Fluoroaliphatic 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, Korean 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%.

Component CAS# 107-98-2 and stabilizer; Canada: Domestic Substances List (DSL): All components either exempt or listed on the DSL. US: Toxic Substances Control Act (TSCA): All component(s) comprising these components are either exempt or listed on the TSCA inventory. CAS# 107-98-2 is on the PA right to know list.

16. Other Information

DISCLAIMER: THE INFORMATION HEREIN IS BASED ON THE DATA AVAILABLE AND IS BELIEVED TO BE ACCURATE, HOWEVER, THE MANUFACTURER MAKES NO WARRANTY EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. ACCORDINGLY, WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THIS PRODUCT.

N/A = Not Available

See Section 1 for date of preparation

1. Product and Company Identification

Product Name	UV Clear Epoxy Top Coat
Product Codes	UV Clear Epoxy Top Coat
Manufacturer	Concrete Floor Solutions, Inc.
Street Address	6801 Tilghman Street #113
City, State, Zip	Allentown, PA 18106
Information Phone	610-366-0208
Emergency Phone	Chemtrec 800-424-9300
Prepared By	Jason Kehnel
Date Revised	4/18/2023
Chemical Name or Class	Polyamine mixture

2. Hazards Identification

GHS Classification: Skin corrosion/irritation category 1, skin sensitizer category 2B, serious eye damage category 1, acute hazard to aquatic environment category 3, chronic hazards to aquatic environment category 2

GHS Label Elements and Precautionary Statements:

Label Elements: Exclamation Mark, Corrosion, Aquatic Toxicity



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:

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.

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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 waste disposal facility in accordance with local, state, federal or international laws.

HMIS Hazard Classification

Health: 2 Flammability: 1 Reactivity: 0 Personal Protective Equipment: G

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 and 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: Yes

Additional carcinogenicity information:

No listed ingredients of this product are regulated as carcinogens.

3. Composition/Information on Ingredients

Ingredient	Cas No.	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 REQUIREMENTS 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

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.

Ingestion: Do not induce vomiting. Dilute by giving water or milk to drink if the victim is conscious. Get medical attention immediately.

Inhalation: Remove to fresh air if effects persist and administer oxygen if necessary.

5. Fire Fighting Measures

Flammable limits in air (% by volume)	Upper: N/A Lower: N/A
Flash point	200+F
Method used	Seta Flash
Extinguishing media	Foam, Alcohol Foam, CO2, Water Fog
Special fire fighting procedures	Toxic fumes will be evolved when this material is involved in a fire. A self-contained breathing apparatus should be available for fire fighting. Cool fire exposed containers with water.
Unusual fire and explosion hazards	None known.

6. Release Measures

Steps to be taken in case material is released or spilled - avoid contact with material. Wear the appropriate safety equipment. Stop spill at source, dyke area to prevent spreading. Pump liquid

to salvage tank. Take up the remainder with clay or other absorbent and place in disposal containers.

7. Handling and Storage

Precautions to be taken in handling and storage: Avoid all skin contact. Avoid breathing vapors. Reseal partially used containers. Properly label all containers. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Observe conditions of good industrial hygiene and safe working practices.

Other precautions: Mixed materials contain the hazards of all the components, therefore, read the MSDS of all components to become familiar with all hazards prior to using this product.

8. Exposure Controls/Personal Protection

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.

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

Protective gloves: Impervious gloves – neoprene or rubber

Eye protection: Splash goggles or glasses with side shields.

Other protective clothing or equipment: Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Work hygienic practices: Observe good general hygienic practices.

See Section 3 for occupational exposure limit values

9. Physical and Chemical Properties

Appearance and Odor - Amber clear liquid with amine odor

Boiling Point or Range - 155 to 401F

Vapor Density (Air = 1) - Not available

Specific Gravity (H₂O = 1) - 1.0

Evaporation Rate - Not available

Solubility in Water - Negligible

Odor Threshold - N/A

pH - N/A

Melting Point/Freezing Point - N/A

Vapor Pressure - N/A

Auto Ignition Temperature - N/A

Partition Coefficient: n-octanol/water - N/A

Decomposition Temperature- N/A

10. Stability and Reactivity

Stability - stable

Conditions to Avoid (Stability) - avoid excessive heat or open flames

Incompatibility (Material to Avoid) - can react vigorously with strong oxidizing agents and strong lewis acids or mineral acids

Hazardous Decomposition or By-Products - CO₂, aldehydes, acids. Reaction with some curing agents can generate large amounts of heat

Hazardous Polymerization - will not occur

11. Toxicological Information

No data for the product itself.

Component data:

Component Benzyl Alcohol: Inhalation LC₅₀ (4hr) >4178 mg/l (rat), Dermal LD₅₀ 2000 mg/kg (rabbit) Rats exposed to 800 mg/kg for thirteen 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 a two year study with rats and mice.

Component CAS# 2855-13-2: Oral LD₅₀ rat 1030 mg/kg, Skin irritation – Corrosive category 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 hr. Acute Dermal LD₅₀ (rabbit) >10,000 mg/kg. Skin Irritation (rabbit) – mild skin irritation -24hr. Eye Irritation (rabbit) – severe eye irritation.

12. Ecological Information

No data for the product itself.

Component data:

Component Benzyl Alcohol: EC₅₀ (48hr) 400 mg/l Daphnia Magna, EC₅₀ (72hr) 2600 mg/l Algae, Biodegradation BOD₂ 62. Slightly or not bioaccumulative. Toxicity to fish: LC₅₀ (96 hr) 10 mg/l Bluegill sunfish (*Lepomis macrochirus*), LC₅₀ (96hr) 460 ml/l Fathead minnow (*Pimephales promelas*), Toxicity to Algae: IC₅₀ (72hr) 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 adsorption to soil components. Toxicity to fish: LC₅₀ *Leuciscus idus* 110 mg/l (96hr). Toxicity to Daphnia NOEC 3 mg/l (504hr). EC₅₀ *Daphnia magna* 23 mg/l (48 hr). ErC₅₀ *scenedesmus subspicatus* 50 mg/l

(72 hr). NOEC scenedesmus subspicatus 1.5 mg/l (72 hr). Toxicity to bacteria: EC10 Pseudomonas putida 1120 mg/l (18 hr).

Component CAS# 69-72-7: Toxicity to Fish LC50 (Leuciscus idus – 96 mg/l. Toxicity to Daphnia magna – 105 mg/l, 24 hr. Component Mutagenic Effects: Mutagenic for bacteria and/or yeast. Developmental toxicity: Classified reproductive system toxin/female, development toxin possible.

13. Waste Disposal

Waste Disposal Method: Dispose of material as a hazardous waste in accordance with local, state, and federal law.

14. Transport 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, MARINE POLLUTANT

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, TCOL, 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

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N/A = Not Available

See Section 1 for date of preparation

End of Document