

SpecPoxy Sealer Part A

Version 1 pg. 1

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

<p>1.1 Trade Name (as labeled): Synonyms: CAS No:</p> <p>1.2 Product Use:</p> <p>1.3 Company Name: Company Address: Company Address Cont: Business Phone: Website:</p> <p>1.4 Emergency Telephone Number: Date of Last Revision: Date of Current Revision:</p>	<p>SpecPoxy Sealer Part A N/A Mixture</p> <p>Epoxy Sealer</p> <p>SpecChem 1511 Baltimore Ave; Suite 600 Kansas City, MO 64108 (816) 968-5600 www.specchemllc.com</p> <p>Chemtec: (800) 424-9300 August 15, 2016 July 1, 2018</p>
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SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a clear to amber colored liquid with a petroleum distillate odor.

Health Hazards: May cause skin, eye, and respiratory system irritation. May be an aspiration hazard. Inhalation may cause drowsiness or dizziness

Flammability Hazards: This product is a non-flammable liquid.

Reactivity Hazards: None.

Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

US DOT Symbols:



EU and GHS Symbols:

Signal Word: Danger

2.1 EU Labeling and Classification:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

Index Number:

500-033-5 is listed in Annex I 603-074-00-8

265-199-0 is listed in Annex I 649-356-00-4

Substances not listed either individually or in group entries must be self classified.

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Components Contributing to Classification:

Bisphenol A Diglycidyl Ether Resin, Aromatic Hydrocarbon, Benzyl Alcohol

2.2 Label Elements:

GHS Hazard Classifications:

Skin Irritation Category 2
Skin Sensitization Category 1
Eye Irritant Category 2
Germ Cell Mutagenicity Category 2
Chronic Aquatic Toxicity Category 2
Flammable Liquid Category 3
Carcinogenicity Category 1B
STOT – SE Category 3 (Respiratory System, Central Nervous System)
Aspiration Toxicity Category 1

Hazard Statements:

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H341 Suspected of causing genetic defects
H411 Toxic to aquatic life with long lasting effects
H226 Flammable liquid and vapour
H350 May cause cancer
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways

Precautionary Statements:

P280 Wear protective gloves/eye protection/face protection.
P264 Wash thoroughly after handling.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P271 Use only outdoors or in a well-ventilated area.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/Bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.

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Response Statements:

P302+P352 IF ON SKIN: Wash with plenty of 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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P311 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
P391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Storage Statements:

Disposal Statements:

2.3 Health Hazards or Risks From Exposure:

Symptoms of Overexposure by Route of Exposure:

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: May cause respiratory tract irritation. May cause headaches, drowsiness, or dizziness.

Skin Contact: May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking.

Eye Contact: Vapours and direct contact to the eyes may be irritating.

Ingestion: May cause lung damage if aspirated.

Chronic: Repeated exposure may cause skin dryness or cracking..

Target Organs:

Acute: Skin, Eyes, Respiratory System, Central Nervous System

Chronic: Skin.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

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Hazardous Ingredients	WT%	CAS No.	EINECS No.	Hazard Classification
Benzyl Alcohol	< 30%	100-51-6	202-859-9	Hazard Classification: Acute Tox. 4(Oral), Eye Irrit.2 Skin Irrit.2
Bisphenol A Diglycidyl Ether Resin	60-70%	25068-38-6	500-033-5	Flam. Liq. 3; Skin Irrit. 2; Carc. 1B, Muta. 1B; STOT SE 3; ASP. Tox. 1, Aquatic Chronic 2
Aromatic Hydrocarbon	25-30%	64742-95-6	265-199-0	Skin Irrit. 2, Skin Sens. 1, Muta. 2, Aquatic Chronic 2
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).				

Note: All WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250:2000

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures:

- Eye Contact:** If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.
- Skin Contact:** Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
- Inhalation:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
- Ingestion:** If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give dilutents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**Medical Conditions
Generally Aggravated
By Exposure:**

Pre-existing skin, respiratory system or eye problems may be aggravated by prolonged contact.

4.2 Symptoms and Effects Both Acute and Delayed: Exposure to skin and eyes may cause irritation.

4.3 Recommendations to Physicians: Treat symptoms and eliminate overexposure.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials: **Water Spray:** Yes
Foam: Yes

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Halon: Yes
Carbon Dioxide: Yes
Dry Chemical: Yes
Other: Any "C" Class

5.2 Unusual Fire and Explosion Hazards:

Irritating and toxic fumes may be produced at high temperatures. Use of water may result if the formation of a toxic aqueous solution. Do not allow run-off from fire fighting to enter drains or water courses.

Explosive Sensitivity to Mechanical Impact: No
Explosive Sensitivity to Static Discharge: No

5.3 Special Fire-Fighting Procedures:

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel.
- Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6 – ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material.
- Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

Large Spills:

- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

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SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

Epoxy Sealer.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

Ingredients	CAS No.	OSHA PEL	NIOSH PEL
Benzyl Alcohol	100-51-6	Not Listed	Not Listed
Bisphenol A Diglycidyl Ether Resin	25068-38-6	Not Listed	Not Listed
Aromatic Hydrocarbon	64742-95-6	2000 mg/mg3	350 mg/m3

8.2 Exposure Controls:

Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the

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Hand Protection:

European Standard EN166, Australian Standards, or relevant Japanese Standards. Chemical resistant gloves are required to prevent skin contact.

Body Protection:

If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards. Use body protect appropriate to task being performed.
If necessary, refer to appropriate Standards of Canada, or appropriate standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance (Physical State and Color): Clear to amber liquid

Odor: Petroleum distillate odor

Odor Threshold: No data available

pH: No data available

Melting/Freezing Point: No data available

Boiling Point: 300°F (148.9°C)

Flash Point: 104°F (40°C)

Evaporation Rate: No data available

Flammability (Solid; Gas): Not applicable

Upper/Lower Flammability or Explosion Limits: No data available

Vapor Pressure (mm Hg @ 20°C (68° F): No data available

Vapor Density: No data available

Relative Density: No data available

Specific Gravity: 1.09

Solubility in Water: Not miscible

Weight per Gallon: 9.12lb/gal

Partition Coefficient (n-octanol/water): No data available

Auto-Ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

9.2 Other Information: No data available

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SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity:	This product is not reactive.
10.2 Stability:	Stable under conditions of normal storage and use.
10.3 Possibility of Hazardous Reactions:	Will not occur.
10.4 Conditions to Avoid:	Heat, open flame or other sources of ignition.
10.5 Incompatible Substances:	Strong oxidizing agents.
10.6 Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide and other decomposition products can occur during combustion if not use according to specifications.

SECTION 11 – TOXICOLOGY INFORMATION
11.1 Information on Toxicological Effects:
Toxicity Data:

Benzyl Alcohol	100-51-6	LD50 Rat - Oral	1,620 mg/kg
		LD50 Rabbit – Dermal	2,000 mg/kg
		LC50 Rat	>5,000 mg/m ³ (4h)
Bisphenol A Diglycidyl Ether Resin	25068-38-6	LD50 Oral – Rat	13,600 mg/kg
Aromatic Hydrocarbon	64742-95-6	LD50 Dermal – Rabbit	>2000 mg/kg
		LC50 Inhalation – Rat	10,00 mg/mg ³

Suspected Cancer Agent:	Ingredients within this product are not found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be cancer-causing agents by these agencies.
Irritancy:	Skin, eye irritant.
Sensitization to the Product:	This product is expected to cause skin sensitization.
Germ Cell Mutagenicity:	This product contains ingredients that are suspected to be a germ cell mutagenic.
Reproductive Toxicity:	No data available.

SECTION 12 – ECOLOGICAL INFORMATION
12.1 Toxicity:

Benzyl Alcohol	100-51-6	LC50 Fish	46.41 mg/l – 96h
		EC50 Water Flea, Daphina	400 mg/l – 48h
Bisphenol A Diglycidyl Ether Resin	25068-38-6	LC50 – Rainbow Trout	<10 mg/l – 96h
		EC50 – Algae	<10 mg/l – 96h
Aromatic Hydrocarbon	64742-95-6	LC50 – Fish	9.2 mg/l – 96h
		EC50 – Algae	3.3 mg/l

12.2 Persistence and Degradability:	No specific data available on this product.
12.3 Bioaccumulative Potential:	No specific data available on this product.
12.4 Mobility in Soil:	No specific data available on this product.
12.5 Results of PBT and vPvB Assessment:	No specific data available on this product.
12.6 Other Adverse Effects:	No data available

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12.7 Water Endangerment Class: At present, there are no ecotoxicological assessments for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code: Not determined

SECTION 14 - TRANSPORTATION INFORMATION

14.1 U.S. Department of Transportation (DOT) Shipping Regulations:
This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number: UN1993
Proper Shipping Name: Combustible Liquid, n.o.s. (contains Aromatic Hydrocarbon)
Hazard Class Number and Description: Class 3 – Combustible Liquid
Packing Group: III
DOT Label(s) Required: Combustible
North American Emergency Response Guidebook Number: 128

14.2 Environmental Hazards:
Marine Pollutant: The components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).
 None

14.3 Special Precaution for User: None

14.4 International Air Transport Association Shipping Information (IATA): This product is considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

UN Identification Number: UN1993
Proper Shipping Name: Flammable Liquid, n.o.s. (contains Aromatic Hydrocarbon)
Hazard Class Number and Description: Class 3 – Flammable Liquid
Packing Group: III
EMS-No: F-E-S-E

Special Notes: The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as

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the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:

United States Regulations:

U.S. SARA Reporting Requirements:

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA 311/312:

Acute Health: Yes; Chronic Health: Yes; Fire: Yes; Reactivity; No

U.S. CERCLA Reportable Quantity:

Not Applicable

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 66):

This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:

Canadian DSL/NDSL Inventory Status:

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

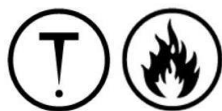
Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

This product is Class B2, Flammable Liquid, and D2B, Materials causing other toxic effects, per WHMIS Controlled Product Regulations.



15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

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Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 – OTHER INFORMATION

Date of Printing: July 1, 2018

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 the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. SpecChem assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, SpecChem assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET

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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

<p>1.1 Trade Name (as labeled): Synonyms: CAS No:</p> <p>1.2 Product Use:</p> <p>1.3 Company Name: Company Address: Company Address Cont: Business Phone: Website:</p> <p>1.4 Emergency Telephone Number: Date of Last Revision: Date of Current Revision:</p>	<p>SpecPoxy Sealer Part B N/A Mixture</p> <p>Epoxy Sealer</p> <p>SpecChem 1511 Baltimore Ave; Suite 600 Kansas City, MO 64108 (816) 968-5600 www.specchemllc.com</p> <p>Chemtec: (800) 424-9300 August 15, 2016 July 1, 2018</p>
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SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a clear to amber colored liquid with a petroleum distillate odor.

Health Hazards: Corrosive: May cause skin, eye, and respiratory system irritation. May be an aspiration hazard. Inhalation may cause drowsiness or dizziness.

Flammability Hazards: This product is a flammable liquid.

Reactivity Hazards: None.

Environmental Hazards: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

US DOT Symbols:



EU and GHS Symbols:

Signal Word: Danger

2.1 EU Labeling and Classification:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

Index Number:

- 275-162-0 is not listed in Annex VI
- 265-199-0 is listed in Annex VI 649-356-00-4
- 202-013-9 is listed in Annex VI 603-069-00-0
- 273-201-6 is not listed in Annex VI

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CAS # 68605-86-7 is not listed in Annex VI
CAS # 68512-79-8 is not listed in Annex VI
Substances not listed either individually or in group entries must be self classified.

Components Contributing to Classification: All ingredients

2.2 Label Elements:

GHS Hazard Classifications:

Skin Corrosion Category 1B
Respiratory Sensitization Category 1
Skin Sensitization Category 1
Acute Toxicity Category 4 (Dermal)
Oral and Inhalation Category 4
Germ Cell Mutagenicity Category 1
Chronic Aquatic Toxicity Category 2
Flammable Liquid Category 3
Carcinogenicity Category 1B
STOT – SE Category 3 (Respiratory System,
Central Nervous System)
Aspiration Toxicity Category 1
H314 Causes severe skin burns and eye
damage
H334 May cause allergy or asthma symptoms
or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction
H341 Suspected of causing genetic defects
H411 Toxic to aquatic life with long lasting
effects
H226 Flammable liquid and vapor
H350 May cause cancer
H335 May cause respiratory irritation
H304 May be fatal if swallowed and enters
airways
H311 Toxic in contact with skin

Hazard Statements:

Precautionary Statements:

P280 Wear protective gloves/eye
protection/face protection.
P264 Wash thoroughly after handling.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions
have been read and understood.
P260 Do not breathe dust or mists.
P272 Contaminated clothing should not be
allowed out of the workplace.
P273 Avoid release to the environment.
P210 Keep away from heat/sparks/open
flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/Bond container and receiving
equipment.

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Response Statements:

P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of 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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER/doctor.
P312 Call a POISON CENTER/doctor if you feel unwell.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
P391 Collect spillage.
P363 Wash contaminated clothing before reuse.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P405 Store locked up.
P403+P235 Store in well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Storage Statements:

Disposal Statements:

2.3 Health Hazards or Risks From Exposure:

Symptoms of Overexposure by Route of Exposure:

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: May cause respiratory tract irritation. May cause headaches, drowsiness, or dizziness.

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Skin Contact: Corrosive: May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking.

Eye Contact: Corrosive: Vapors and direct contact to the eyes may be irritating.

Ingestion: May cause lung damage if aspirated.

Chronic: Repeated exposure may cause skin dryness or cracking.

Target Organs:

Acute: Skin, Eyes, and Respiratory System

Chronic: Skin.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	WT%	CAS No.	EINECS No.	Hazard Classification
Aromatic Hydrocarbon	25-35%	64742-95-6	265-199-0	Flam. Liq. 3; Skin Irrit. 2; Carc. 1B, Muta. 1B; STOT SE 3; ASP. Tox. 1, Aquatic Chronic 2
Amine, polyethylenepoly	< 10-15%	68131-73-7	268-626-9	Acute Tox. 4 (Oral, dermal), Skin Corr. 1, Skin Sens. 1, Eye Dam. 1, Aquatic Acute / Chronic 1
1,2-Ethanediamine, N1-(2-aminoethyl)-N2-[[2-(2-aminoethyl)amino]ethyl]	< 3-10%	112-57-2	203-986-2	Acute Tox. 4 (Oral, Dermal) ; Skin Corr. 1B; Eye Dam. 1; Resp. Sens. 1; Aquatic Acute 2; Aquatic Chronic 2;
1,2-Ethanediamine, N1,N2-bis(2-aminoethyl)	< 1%	112-24-3	203-950-6	Acute Tox. 3 (Dermal); Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Aquatic Acute 3; Aquatic Chronic 3;
Benzyl Alcohol	< 70%	100-51-6	202-859-9	Acute Tox. 4 (Oral, Inhalation); Eye Irrit. 2A; Aquatic Acute 2;

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures:

- Eye Contact:** If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Remove contacts if present and easy to do. Seek medical attention if irritation persists.
- Skin Contact:** Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
- Inhalation:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
- Ingestion:** If product is swallowed, call physician or poison center immediately. If professional advice is not available, do not induce vomiting. Never induce vomiting or give dilutents (milk or water) to someone who is

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unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**Medical Conditions
Generally Aggravated**

By Exposure: Pre-existing skin, respiratory system or eye problems may be aggravated by prolonged contact.

4.2 Symptoms and Effects Both Acute and Delayed: Exposure to skin and eyes may cause irritation.

4.3 Recommendations to Physicians: Treat symptoms and eliminate overexposure.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Water Spray:	Yes
Foam:	Yes
Halon:	Yes
Carbon Dioxide:	Yes
Dry Chemical:	Yes
Other:	Any “C” Class

5.2 Unusual Fire and Explosion Hazards:

Irritating and toxic fumes may be produced at high temperatures. Use of water may result if the formation of a toxic aqueous solution. Do not allow run-off from fire fighting to enter drains or water courses.

Explosive Sensitivity to Mechanical Impact:	No
Explosive Sensitivity to Static Discharge:	No

5.3 Special Fire-Fighting Procedures:

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel.
- Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6 – ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

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6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material.
- Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

Large Spills:

- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Do not handle or store near heat, sparks, or flame.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

Epoxy Sealer.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

Ingredients	CAS No.	OSHA PEL	NIOSH PEL
Aromatic Hydrocarbon	64742-95-6	2000 mg/mg3	350 mg/m3
Add 1,2-Ethanediamine, N1,N2-bis(2-aminoethyl)	112-24-3	Not established	Not established
1,2-Ethanediamine, N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]	112-57-2	Not established	Not established
Amine, polyethylenepoly	68131-73-7	Not established	Not established
Benzyl Alcohol	100-51-6	Not established	Not established

8.2 Exposure Controls:

Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or

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standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are required to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance (Physical State and Color): Clear to amber liquid

Odor: Petroleum distillate odor

Odor Threshold: No data available

pH: No data available

Melting/Freezing Point: No data available

Boiling Point: 300°F (148.9°C)

Flash Point: 104°F (40°C)

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Evaporation Rate: No data available
Flammability (Solid; Gas): Not applicable
Upper/Lower Flammability or Explosion Limits: No data available
Vapor Pressure (mm Hg @ 20°C (68° F): No data available
Vapor Density: No data available
Relative Density: No data available
Specific Gravity: 0.98g/mL
Solubility in Water: Not miscible
Weight per Gallon: 8.2lb/gal
Partition Coefficient (n-octanol/water): No data available
Auto-Ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available
9.2 Other Information: No data available

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity: This product is not reactive.
10.2 Stability: Stable under conditions of normal storage and use.
10.3 Possibility of Hazardous Reactions: Will not occur.
10.4 Conditions to Avoid: Heat, open flame or other sources of ignition.
10.5 Incompatible Substances: Strong oxidizing agents.
10.6 Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide and other decomposition products can occur during combustion if not use according to specifications.

SECTION 11 – TOXICOLOGY INFORMATION

11.1 Information on Toxicological Effects:
Toxicity Data:

Aromatic Hydrocarbon	64742-95-6	LD50 Dermal – Rabbit	>2000 mg/kg
		LC50 Inhalation – Rat	10,00 mg/mg ³
Benzyl Alcohol	100-51-6	LD50 Oral – Rat	1,620 mg/kg
		LD50 Dermal – Rabbit	2,000 mg/kg
		LC50 Rat	>5,000 mg/m ³ – 4h

Suspected Cancer Agent: Ingredients within this product are not found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be cancer-causing agents by these agencies.
Irritancy: Skin, eye irritant.
Sensitization to the Product: This product is expected to cause skin & respiratory sensitization.
Germ Cell Mutagenicity: This product contains ingredients that are suspected to be a germ cell mutagenic.
Reproductive Toxicity: No data available.

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SECTION 12 – ECOLOGICAL INFORMATION
12.1 Toxicity:

Aromatic Hydrocarbon	64742-95-6	LC50 – Fish	9.2 mg/l – 96h
		EC50 – Algae	3.3 mg/l
Benzyl Alcohol	100-51-6	LC50 – Fish	46.41 mg/l – 96h
		EC50 – Water Flea, Daphina	400 mg/l – 48h
Amine, polyethylenepoly	68131-73-7	LC50 – Fish	>10-100 mg/l – 96h
		EC50 – Water Flea, Daphina	>1-10 mg/l – 48h
		EC50 – Algae	>0.1-1 mg/l – 72h
1,2-Ethanediamine, N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl	112-57-2	LC50 – Fish	420 mg/l – 96h
		EC50 – Water Flea, Daphina	24 mg/l - 48h
		IC50 – Algae	2 mg/l – 72h

12.2 Persistence and Degradability:

No specific data available on this product.

12.3 Bioaccumulative Potential:

No specific data available on this product.

12.4 Mobility in Soil:

No specific data available on this product.

12.5 Results of PBT and vPvB Assessment:

No specific data available on this product.

12.6 Other Adverse Effects:

No data available

12.7 Water Endangerment Class:

At present, there are no ecotoxicological assessments for this product.

SECTION 13 – DISPOSAL CONSIDERATIONS
13.1 Waste Treatment Methods:

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan.

13.2 EU Waste Code:

Not determined

SECTION 14 - TRANSPORTATION INFORMATION
14.1 U.S. Department of Transportation (DOT) Shipping Regulations:

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number:

UN2924

Proper Shipping Name:

Flammable liquids, corrosive, n.o.s. (Polyethylene polyamines, Aromatic Solvent)

Hazard Class Number and Description:

Class 3 – Flammable Liquid; Class 8 – Corrosive

Packing Group:

III

DOT Label(s) Required:

Flammable, Corrosive

North American Emergency Response
Guidebook Number:

128

14.2 Environmental Hazards:

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<p>Marine Pollutant:</p> <p>14.3 Special Precaution for User:</p> <p>14.4 International Air Transport Association Shipping Information (IATA):</p> <p>14.5 International Maritime Organization Shipping Information (IMO):</p> <p>UN Identification Number:</p> <p>Proper Shipping Name:</p> <p>Hazard Class Number and Description:</p> <p>Packing Group:</p> <p>EMS-No:</p> <p>Special Notes:</p>	<p>The components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).</p> <p>None</p> <p>This product is considered as dangerous goods.</p> <p>UN2924</p> <p>Flammable liquids, corrosive, n.o.s. (Polyethylene polyamines, Aromatic Solvent)</p> <p>Class 3 – Flammable liquid; Class 8 - Corrosive</p> <p>III</p> <p>F-E-S-E</p> <p>None</p>
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SECTION 15 – REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:

United States Regulations:

U.S. SARA Reporting Requirements:
The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA 311/312:
Acute Health: Yes; Chronic Health: Yes; Fire: Yes; Reactivity: No

U.S. CERCLA Reportable Quantity:
Not Applicable

U.S. TSCA Inventory Status:
The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:
None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 66):
This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:

Canadian DSL/NDSL Inventory Status:
Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:
Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:
This product is classified per WHMIS 2015

15.3 European Economic Community Information:
This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

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Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

SECTION 16 – OTHER INFORMATION

Date of Printing: July 1, 2018

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 the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. SpecChem assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, SpecChem assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET