

SpecPoxy Mortar Part A

Version 1

pg. 1

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled): Synonyms:	SpecPoxy Mortar Part A N/A
CAS No:	Mixture
1.2 Product Use:	Epoxy bonding adhesive
1.3 Company Name:	SpecChem
Company Address:	1511 Baltimore Ave; Suite 600
Company Address Cont:	Kansas City, MO 64108
Business Phone:	(816) 968-5600
Website:	www.specchemllc.com
1.4 Emergency Telephone Number:	VelocityEHS 1-(800)255-3924 (North America) +1-813-248- 0585 (International) 1-300-954-583 (Australia) 0-800-591-6042 (Brazil) 400-120-0751 (China) 000-800-100-4086 (India) 800- 099-0731 (Mexico)
Date of Last Revision: Date of Current Revision:	March 9, 2015 July 1, 2018

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a white colored liquid with a characteristic odor. <u>Health Hazards:</u> May cause skin and eye irritation. Contact with skin may cause allergic reaction. <u>Flammability Hazards:</u> This product is not a flammable liquid. <u>Reactivity Hazards:</u> None.

<u>Environmental Hazards</u>: 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:

Warning

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 603-074-00-8 218-645-3 is listed in Annex I 603-056-00-X Substances not listed either individually or in group entries must be self classified.

Components Contributing to Classification:

Bisphenol A Diglycidyl Ether Resin, Glycidyl 2methylphenyl Ether



SpecPoxy Mortar Part A

on 1	pg. 2
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
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
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 ou
	of the workplace.
	P273 Avoid release to the environment
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.
	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.
	P308+P313 IF exposed or concerned: Get medical
	advice/attention.
	P391 Collect spillage.
Storage Statements:	P405 Store locked up.
Disposal Statements:	P501 Dispose of contents/container in accordance
	with local/regional/national/international regulations.
2.3 Health Hazards or Risks From Exposit	
Symptoms of Overexposure by Route of	
	re for this product are by contact with skin or eyes. The
symptoms of overexposure are described	in the following paragraphs.
Aouto	

Acute:

Inhalation: May cause respiratory tract irritation. May cause headaches, drowsiness, or dizziness. Skin Contact: May be irritating to skin. Contact with skin may cause allergic reaction. Eye Contact: May cause irritation to the eyes.

Ingestion: May be harmful if swallowed. May cause nausea or diarrhea.

Chronic: Not known.



SpecPoxy Mortar Part A

Version 1

Target Organs: Acute: Eyes, Skin Chronic: Not known.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	WT%	CAS No.	EINECS No.	Hazard Classification
Bisphenol A Diglycidyl	60-70%	25068-38-6	500-033-5	Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2, Aquatic
Ether Resin	00-7070	2000-00-0	500-055-5	Chronic 2
Glycidyl 2-methylphenyl	5-10%	2210-79-9	218-645-3	Skin Irrit. 2, Skin Sens. 1, Muta. 2, Aquatic
Ether	5-10%	2210-79-9	210-040-0	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 immediatly. 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	F
Generally Aggravated	
By Exposure:	Pre-existing skin, respiratory system or eye problems may be aggravated by prolonged contact.
4.2 Symptoms and Effe	cts Both Acute and Delayed: Exposure to the eyes may cause irritation.
4.3 Recommendations t	o Physicians: Treat symptoms and eliminate overexposure.
ECTION 5 – FIRE FIGHTING N	IEASURES

pg. 3



SpecPoxy Mortar Part A

	pg. 4
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 h the formation of a toxic aqueous solution. Do n drains or water courses.	
Explosive Sensitivity to Mechanical Impact: Explosive Sensitivity to Static Discharge:	No No
 Structural firefighters must wear Self-Conta Apparatus (SCBA) and full protective equip Isolate materials not yet involved in the fire Move containers from fire area if this can b applied water spray. If possible, prevent run-off water from ente environmentally sensitive areas. 	oment. and protect personnel. e done without risk; otherwise, cool with carefully
NFPA RATING SYSTEM	HMIS RATING SYSTEM
Flammability	HMIS RATING SYSTEM HAZARDOUS MATERIAL IDENTIFICATION SYSTEM HEALTH HAZARD (BLUE) 2
	HAZARDOUS MATERIAL IDENTIFICATION SYSTEM
	HAZARDOUS MATERIAL IDENTIFICATION SYSTEM HEALTH HAZARD (BLUE) 2
Flammability	HAZARDOUS MATERIAL IDENTIFICATION SYSTEM HEALTH HAZARD (BLUE) 2 FLAMMABILITY HAZARD (RED) 1
Flammability	HAZARDOUS MATERIAL IDENTIFICATION SYSTEM HEALTH HAZARD (BLUE) 2 FLAMMABILITY HAZARD (RED) 1 PHYSICAL HAZARD (YELLOW) 0
Flammability	HAZARDOUS MATERIAL IDENTIFICATION SYSTEM HEALTH HAZARD (BLUE) 2 FLAMMABILITY HAZARD (RED) 1 PHYSICAL HAZARD (YELLOW) 0 PROTECTIVE EQUIPMENT 1
Health Planmability Health Conter Planmability Reactivity Other	HAZARDOUS MATERIAL IDENTIFICATION SYSTEM 1 HEALTH HAZARD (BLUE) 1 FLAMMABILITY HAZARD (RED) 0 PHYSICAL HAZARD (YELLOW) 0 FROTECTIVE EQUIPMENT EYES RESPIRATORY HANDS BODY See Sect 8 See Sect 8 For Routine Industrial Use and Handling Applications
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Health Planmability Health Conter Planmability Reactivity Other	HAZARDOUS MATERIAL IDENTIFICATION SYSTEM 1 HEALTH HAZARD (BLUE) 1 FLAMMABILITY HAZARD (RED) 0 PHYSICAL HAZARD (YELLOW) 0 FROTECTIVE EQUIPMENT EYES RESPIRATORY HANDS BODY See Sect 8 See Sect 8 For Routine Industrial Use and Handling Applications

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:



SpecPoxy Mortar Part A

Version 1

pg. 5

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).

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.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

Ingredients	CAS No.	OSHA PEL	NIOSH PEL
Bisphenol A Diglycidyl Ether Resin	25068-38-6	Not Listed	Not Listed
Glycidyl 2-methylphenyl Ether	2210-79-9	Not Listed	Not Listed

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



	EN 149 for respiratory PPE, and EN 166 for face/eye rerence applicable regulations and standards for relevant
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.
ION 9 – PHYSICAL AND CHEMICAL PROI 9.1 Information on Basic Physical and C Appearance (Physical State and Color):	chemical Properties:
Odor: Characteristic Odor Threshold: No data available pH: No data available Melting/Freezing Point: No data available Boiling Point: 300°F (148.9°C) Flash Point: 200°F (93°C)	



on 1				
Evaporation Rate: No data ava Flammability (Solid; Gas): Not Upper/Lower Flammability or Vapor Pressure (mm Hg @ 20 Vapor Density: No data availab Relative Density: No data availab Specific Gravity: 1.1 Solubility in Water: Not miscibl Weight per Gallon: No data avail Partition Coefficient (n-octand Auto-Ignition Temperature: No Decomposition Temperature: Viscosity: No data available 9.2 Other Information: No data	t applicable Explosion Lim °C (68° F): No c ble lable le ailable ol/water): No da o data available No data available	data available ata available		
ON 10 – STABILITY AND READ				
$\frac{10 - STABILITY}{10} = \frac{10 - STABILITY}{10} = 10$				
10.1 Reactivity: 10.2 Stability:	Sta		f normal storage and use.	
10.4 Conditions to Avoid: 10.5 Incompatible Substances 10.6 Hazardous Decompositio products can occur during comb DN 11 – TOXICOLOGY INFORM 11.1 Information on Toxicolog Toxicity Data:	He <u>s:</u> Str <u>on Products:</u> Ca pustion if not use MATION	eat, open flame or other rong oxidizing agents arbon monoxide, Carbo	n dioxide and other decom	nposition
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10.4 Conditions to Avoid: 10.5 Incompatible Substances 10.6 Hazardous Decomposition products can occur during comb DN 11 – TOXICOLOGY INFORM 11.1 Information on Toxicolog Toxicity Data: Bisphenol A Diglycidyl Ether Resin Glycidyl 2-methylphenyl Ether Suspected Cancer Agent: Irritancy: Sensitization to the Product: Germ Cell Mutagenicity:	He S: Str Str Doustion if not use MATION gical Effects: 25068-38-6 2210-79-9 Ing the CA ca Sk Th Th to	at, open flame or other rong oxidizing agents arbon monoxide, Carbo e according to specificat LD50 Oral – Rat LD50 Oral – Rat LD50 Oral – Rat gredients within this pro- e following lists: FEDER AL/OSHA and therefore using agents by these a in, eye irritant. is product is not expect is product does not con be a germ cell mutagen	n dioxide and other decom tions. 13,600 mg/kg 4,000 mg/kg duct are not found on one AL OSHA Z LIST, NTP, IA are not considered to be o agencies. ed to cause skin sensitizat tain ingredients that are su	or more c \RC, or cancer-
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			pg. 8
Ether Resin	EC50	– Algae	<10 mg/l – 96h
Glycidyl 2-methylphenyl	2210-79-9 LC50	– Fish	2.8-5.1 mg/l – 96h
Ether			2.0 0.1 mg/r 0011
12.2 Persistence and Degrad	lability: No sp	ecific data available o	n this product.
12.3 Bioaccumulative Potent		ecific data available o	n this product.
12.4 Mobility in Soil:		ecific data available o	
12.5 Results of PBT and vPv			e on this product.
12.6 Other Adverse Effects:		ta available	
12.7 Water Endangerment Cl			toxicological assessments
	Ior this	s product.	
ON 13 – DISPOSAL CONSIDE	RATIONS		
13.1 Waste Treatment Metho	de.	Waste disposal mus	st be in accordance with
10.1 Waste Treatment Metho	<u>us.</u>		deral, State, and local
			f Australia, EU Member
		States and Janan	
13.2 EU Waste Code:		States and Japan. Not determined	
13.2 EU Waste Code:		States and Japan. Not determined	
<u>13.2 EU Waste Code:</u> DN 14 - TRANSPORTATION II	NFORMATION		
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	pg. 9
Hazard Class Number and Description: Packing Group: EMS-No:	None None None
TION 15 – REGULATORY INFORMATION	
15.1 Safety, Health and Environmental Regula	ations Spacific for the Substance or Mixture:
United States Regulations:	ations specific for the substance of mixture.
U.S. SARA Reporting Requirements:	
	e reporting requirements of Sections 302, 304, and 313 of thorization Act.
Acute Health: Yes; Chronic Health: No; Fire: No;	Reactivity; No
U.S. CERCLA Reportable Quantity:	
Not Applicable	
U.S. TSCA Inventory Status:	TSCA Inventory or are evented from listing
The components of this product are listed on the Other U.S. Federal Regulations :	TSCA inventory of are exempted from listing.
None known	
California Safe Drinking Water and Toxic Enfo	prcement Act (Proposition 65):
This product does not contain ingredients on the	
<u>15.2 Canadian Regulations:</u> Canadian DSL/NDSL Inventory Status:	
Components are DSL Listed, NDSL Listed and/or	r are exempt from listing
Other Canadian Regulations:	
Not applicable	
Canadian Environmental Protection Act (CEP	
This product has been classified in accordance w	
Regulations and the MSDS contains all of the info	
Canadian WHMIS Classification and Symbols This product is Class D2A, Materials causing other	
Regulations.	er toxic enects, per writing controlled i foudet
(\top)	
\bigcirc	
15.3 European Economic Community Informa	tion:
	substance or preparation as defined by the European
Union Council Directives 67/548/EEC, 1999/45/E	C, 1272/2008/EC and subsequent Directives. See Section
2 for Details.	
Chemical Safety Assessment:	a da an da faran da ta an da ata ana da ta da ana da ata da ana da ata da ata da ata da ata da ata da ata da a
No Chemical Safety Assessment has been carrie 15.4 Australian Information for Product:	a out for this substance/mixture by the supplier.
Components of this product are listed on the Inte	rnational Chemical Inventory list
15.5 Japanese Information for Product:	mational onomioar involtory list.
	ustry (MITI) Status: The components of this product are not
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SpecPoxy Mortar Part A

Version 1

pg. 10

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 if Chemicals and Chemical Substances (PICCS): Listed U.S. TSCA: Listed

SECTION 16 – OTHER INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance) 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



SpecPoxy Mortar Part B

Version 1

pg. 1

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION 1.1 Trade Name (as labeled): SpecPoxy Mortar Part B Synonyms: N/A CAS No: Mixture 1.2 Product Use: Epoxy bonding adhesive 1.3 Company Name: SpecChem Company Address: 1511 Baltimore Ave; Suite 600 Company Address Cont: Kansas City, MO 64108 Business Phone: (816) 968-5600 Website: www.specchemllc.com **1.4 Emergency Telephone Number:** VelocityEHS 1-(800)255-3924 (North America) +1-813-248-0585 (International) 1-300-954-583 (Australia) 0-800-591-6042 (Brazil) 400-120-0751 (China) 000-800-100-4086 (India) 800-099-0731 (Mexico) Date of Last Revision: July 1, 2018 Date of Current Revision: June 15, 2022 **SECTION 2 – HAZARDS IDENTIFICATION EMERGENCY OVERVIEW:** This product is a gray colored liquid with a characteristic odor. Health Hazards: May cause skin, eye and respiratory system irritation. Inhalation may cause drowsiness or dizziness. Contact with skin may cause allergic reaction. 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: 265-199-0 is listed in Annex I 649-356-00-4 284-325-5 is listed in Annex I 601-053-00-8 CAS 68605-86-7 is not listed in Annex I 202-013-9 is listed in Annex I 603-069-00-0 CAS 275-162-0 is not listed in Annex I



Version 1	pg. 2
Substances not listed either individually or in group	entries must be self classified.
Components Contributing to Classification:	Polyethylene-polyamines, 4-Nonylphenol, 2,4,6- tris(dimethylaminomethyl)phenol, Fatty acids, tall-oil, polymers with linoleic acid dimers and tetraethylenepentamine, bis[(dimethylamino)methyl]phenol
2.2 Label Elements: GHS Hazard Classifications:	Skin Sensitization Category 1 Skin Corrosive Category 1B Acute Toxicity Category 3 (dermal) Reproductive Toxicity Category 2 Acute Aquatic Toxicity Category 1 Chronic Aquatic Toxicity Category 1
Hazard Statements:	H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H311 Toxic in contact with skin H361 Suspected of damaging fertility or the unborn child H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects
Precautionary Statements:	 P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dusts or mists. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/eye protection/face protection. P264 Wash thoroughly after handling. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P273 Avoid release to the environment.
Response Statements:	 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment (see supplemental first aid instructions on this label). P332+P313 If skin irritation occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse.



SpecPoxy Mortar Part B

Polyethylene-polyamines 10-15% 68131-73-7 268-626-9 Corr, 1B, Skin Sens, 1, Aquatic Acute 1, Aquatic Chro 1.Nonvlphenol 18-25% 84852-15-3 284-325-5 Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox. 2					
P308+P313 IF exposed or concerned: Get medical advice/attention. P310 Immediately call a POISON CENTER/doctor if you feel unwell. P391 Collect spillage. P405 Store locked up. Disposal Statements: P501 Dispose of contents/container in accordance with local/regional/national/international regulations. 2.3 Health Hazards or Risks From Exposure: Storage Statements: 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: A single prolonged exposure may result in the absorption of harmful amounts. May cause burns or redness. Contact with skin may cause allergic reaction. Eye Contact: Corrosive material may cause irritation with possible burns and tissue damage. Ingestion: Harmful if swallowed. May cause nausea and diarrhea. Chronic: Repeated exposure may cause skin dryness or cracking. Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS Hazardous Ingredients WT% CAS No. EINECS No Hazard Classification Fatty acids, tall-oil, polymers with inole (acid dimers and 20-30% 68605-86-7					
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Eye Contact: Corrosive material may cause irritation with possible burns and tissue damage. Ingestion: Harmful if swallowed. May cause nausea and diarrhea. Chronic: Repeated exposure may cause skin dryness or cracking. Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS Hazardous Ingredients WT% CAS No. EINECS No Hazard Classification Fatty acids, tall-oil, polymers with inoleic acid dimers and etraethylenepentamine 20-30% 68605-86-7 Not listed Acute Tox. 3 (dermal), Skin Corr. 1B Polyethylene-polyamines 10-15% 68131-73-7 268-626-9 Corr, 1B, Skin Sens, 1, Aquatic Acute 1, Aquatic Chrou LNonvinhenol 18-25% 84852-15-3 284-325-5 Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2		use allergio	reaction.		
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Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS Hazardous Ingredients WT% CAS No. EINECS No Hazard Classification Fatty acids, tall-oil, polymers with inoleic acid dimers and etraethylenepentamine 20-30% 68605-86-7 Not listed Acute Tox. 3 (dermal), Skin Corr. 1B Polyethylene-polyamines 10-15% 68131-73-7 268-626-9 Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr, 1B, Skin Sens, 1, Aquatic Acute 1, Aquatic Chromatic	Eye Contact: Corrosive m				
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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS Hazardous Ingredients WT% CAS No. EINECS No. Hazard Classification Fatty acids, tall-oil, polymers with inoleic acid dimers and tetraethylenepentamine 20-30% 68605-86-7 Not listed Acute Tox. 3 (dermal), Skin Corr. 1B Polyethylene-polyamines 10-15% 68131-73-7 268-626-9 Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr. 1B, Skin Sens, 1, Aquatic Acute 1, Aquatic Chromotometers 4. Nonvinheepol 18-25% 84852-15-3 284-325-5 Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu	llowed. Ma	y cause naus	ea and diarrhe	ea.
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1B, Skin Sens,1, Aquatic Acute1, Aquatic Chro 1Nonvlphenol 18, 25% 8,4852,15,3 284,325,5 Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INF Hazardous Ingredients Fatty acids, tall-oil, polymers with inoleic acid dimers and	Ilowed. Ma Ire may cau FORMATIO	y cause naus use skin dryne DN ON INGRI CAS No.	ea and diarrhe ess or cracking. EDIENTS EINECS No.	ea. Hazard Classification Acute Tox. 3 (dermal), Skin Corr. 1B
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	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu Target Organs: Acute: Skin, Eyes Chronic: Skin. ECTION 3 – COMPOSITION / INF Hazardous Ingredients Fatty acids, tall-oil, polymers with inoleic acid dimers and etraethylenepentamine	FORMATIC	y cause naus use skin dryne DN ON INGRI CAS No. 68605-86-7	ea and diarrhe ess or cracking EDIENTS EINECS No. Not listed	Hazard Classification Acute Tox. 3 (dermal), Skin Corr. 1B Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr,
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246	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INF Hazardous Ingredients Fatty acids, tall-oil, polymers with inoleic acid dimers and etraethylenepentamine	FORMATIC	y cause naus use skin dryne DN ON INGRI CAS No. 68605-86-7	ea and diarrhe ess or cracking EDIENTS EINECS No. Not listed	Hazard Classification Acute Tox. 3 (dermal), Skin Corr. 1B Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr, 1B, Skin Sens,1, Aquatic Acute1, Aquatic Chro Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2,
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	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INF Hazardous Ingredients Fatty acids, tall-oil, polymers with inoleic acid dimers and etraethylenepentamine Polyethylene-polyamines	Ilowed. Ma Ire may cau FORMATIO 20-30% 10-15%	y cause naus use skin dryne DN ON INGRI CAS No. 68605-86-7 68131-73-7 84852-15-3	ea and diarrhe ess or cracking. EDIENTS EINECS No. Not listed 268-626-9 284-325-5	Hazard Classification Acute Tox. 3 (dermal), Skin Corr. 1B Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr, 1B, Skin Sens, 1, Aquatic Acute 1, Aquatic Chro Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2, Aquatic Acute 1, Aquatic Chron.1
	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INF Hazardous Ingredients Fatty acids, tall-oil, polymers with inoleic acid dimers and tetraethylenepentamine Polyethylene-polyamines 4-Nonylphenol 2,4,6- tris(dimethylaminomethyl)phenol	Ilowed. Ma ire may cau FORMATIO 20-30% 10-15% 18-25% 1-2%	y cause naus use skin dryne DN ON INGRI 68605-86-7 68131-73-7 84852-15-3 90-72-2	ea and diarrhe ess or cracking. EDIENTS EINECS No. Not listed 268-626-9 284-325-5 202-013-9	Hazard Classification Acute Tox. 3 (dermal), Skin Corr. 1B Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr, 1B, Skin Sens,1, Aquatic Acute1, Aquatic Chro Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2, Aquatic Acute1, Aquatic Chron.1 Acute Tox. 4(Oral), Skin Irrit.2, Eye Irrit.2
	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INF Hazardous Ingredients Fatty acids, tall-oil, polymers with inoleic acid dimers and tetraethylenepentamine Polyethylene-polyamines 4-Nonylphenol 2,4,6-	Ilowed. Ma ire may cau FORMATIC 20-30% 10-15% 18-25%	y cause naus use skin dryne DN ON INGRI CAS No. 68605-86-7 68131-73-7 84852-15-3	ea and diarrhe ess or cracking. EDIENTS EINECS No. Not listed 268-626-9 284-325-5	Hazard Classification Acute Tox. 3 (dermal), Skin Corr. 1B Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Ski Corr, 1B, Skin Sens, 1, Aquatic Acute 1, Aquatic Chro Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2 Aquatic Acute 1, Aquatic Chron.1
bis[(dimethylamino)methyl]phenol 1-2% 71074-89-0 275-162-0 Skin Corr, 1B Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or	Eye Contact: Corrosive m Ingestion: Harmful if swal Chronic: Repeated exposu Target Organs: Acute: Skin, Eyes Chronic: Skin. SECTION 3 – COMPOSITION / INF Hazardous Ingredients Fatty acids, tall-oil, polymers with inoleic acid dimers and tetraethylenepentamine Polyethylene-polyamines 4-Nonylphenol 2,4,6- tris(dimethylaminomethyl)phenol pis[(dimethylamino)methyl]phenol	Ilowed. Ma ire may cau FORMATIO 20-30% 10-15% 18-25% 1-2% 1-2%	y cause naus use skin dryne DN ON INGRI CAS No. 68605-86-7 68131-73-7 84852-15-3 90-72-2 71074-89-0	ea and diarrhe ess or cracking. EDIENTS EINECS No. Not listed 268-626-9 284-325-5 202-013-9 275-162-0	Hazard Classification Acute Tox. 3 (dermal), Skin Corr. 1B Acute Tox. 4 (oral), Acute Tox. 4 (dermal), Skin Corr, 1B, Skin Sens,1, Aquatic Acute1, Aquatic Chro Acute Tox. 4 (oral), Skin Corr, 1B, Repr Tox.2, Aquatic Acute1, Aquatic Chron.1 Acute Tox. 4(Oral), Skin Irrit.2, Eye Irrit.2 Skin Corr, 1B

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



SpecPoxy Mortar Part B

Version 1			pg. 4
SECTION 4 – FIRST AID MEASU	RES		
4.1 Description of First A	id Measures:		
Eye Contact:	solution for several mi	yes, flush with plenty of water or eye was nutes. Remove contacts if present and e ntion if irritation persists.	
Skin Contact:		with soap and water after handling. See	k medical
Inhalation:	If breathing becomes of	difficult, remove victim to fresh air. If nec n to support vital functions. Seek medic	
Ingestion:	If product is swallowed professional advice is induce vomiting or giv unconscious, having o	d, call physician or poison center immed not available, do not induce vomiting. N e dilutents (milk or water) to someone v convulsions, or who cannot swallow. See f the label and/or SDS with the victim to	Never vho is ek medical
Medical Conditions	professional.		
Generally Aggravated By Exposure:	Pre-existing skin, resp aggravated by prolong	iratory system or eye problems may be	
	or redness. • Physicians: Treat symp	yed: Exposure to skin and eyes may ca otoms and eliminate overexposure.	
5.1 Fire Extinguishing Ma			
Use the following fire ext	inguishing materials:	Water Spray: Yes Foam: Yes Halon: Yes Carbon Dioxide: Yes Dry Chemical: Yes Other: Any "C" Class	
	s may be produced at h aqueous solution. Do n	igh temperatures. Use of water may r ot allow run-off from fire fighting to e	
Explosive Sensitivity to Me Explosive Sensitivity to Sta		No No	

5.3 Special Fire-Fighting Procedures:

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing

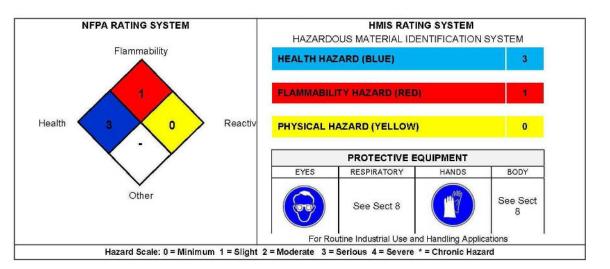


SpecPoxy Mortar Part B

Version 1

pg. 5

- 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.



SpecPoxy Mortar Part B

Version 1

pg. 6

 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:

Ероху.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

Ingredients	CAS No.	OSHA PEL	NIOSH PEL
Polyethylene-polyamines	68131-73-7	Not Listed	Not Listed
4-Nonylphenol	84852-15-3	Not Listed	Not Listed
Fatty acids, tall-oil, polymers with linoleic acid dimers and tetraethylenepentamine	68605-86-7	Not Listed	Not Listed
2,4,6- tris(dimethylaminomethyl)phenol	90-72-2	Not Listed	Not Listed
bis[(dimethylamino)methyl]phenol	71074-89-0	Not Listed	Not Listed

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,



SpecPoxy Mortar Part B

Version 1	pg. 7
Eye Protection:	Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. 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
Hand Protection:	Standards, or relevant Japanese Standards. 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): Gray liquid **Odor:** Characteristic Odor Threshold: No data available **pH:** No data available Melting/Freezing Point: No data available Boiling Point: 300°F (148.9°C) Flash Point: 200°F (93°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: 1.1 Solubility in Water: Not miscible Weight per Gallon: No data available Partition Coefficient (n-octanol/water): No data available Auto-Ignition Temperature: No data available



cPoxy Mortar Part	_			
sion 1			pg	. 8
Decomposition Tempera	ture: No data av	ailable		
Viscosity: No data availat				
9.2 Other Information: No	o data available			
ION 10 - STABILITY AND F	REACTIVITY			
10.1 Reactivity:		This product is not reactive.		
10.2 Stability:		Stable under conditions of nor	mal storage and use.	
10.3 Possibility of Hazar				
10.4 Conditions to Avoid		Heat, open flame or other sour	rces of ignition.	
10.5 Incompatible Substa		Strong oxidizing agents.	ovido and other decorrect	nition
		t <u>s:</u> Carbon monoxide, Carbon dic ot use according to specification		SILION
products can occur during	g combustion in m			
ION 11 – TOXICOLOGY IN <u>11.1 Information on Toxi</u> Toxicity Data:	cological Effect	<u>s:</u>		
11.1 Information on ToxiToxicity Data:4-NonylphenolSuspected Cancer AgentIrritancy:Sensitization to the Prod	cological Effect 84852-15 t:	s: Ingredients within this product the following lists: FEDERAL CAL/OSHA and therefore are agents by these agencies. Skin, eye and respiratory irritat This product is not expected to	1,412 mg/kg t are not found on one or n OSHA Z LIST, NTP, IAR(considered to be cancer-o nt. o cause skin sensitization.	C, or causing
<u>11.1 Information on Toxi</u> Toxicity Data: 4-Nonylphenol Suspected Cancer Agent Irritancy:	cological Effect 84852-15 t:	s: -3 LD50 Oral-Rat Ingredients within this product the following lists: FEDERAL CAL/OSHA and therefore are agents by these agencies. Skin, eye and respiratory irritan This product is not expected to This product does not contain	1,412 mg/kg t are not found on one or n OSHA Z LIST, NTP, IAR(considered to be cancer-o nt. o cause skin sensitization.	C, or causing
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11.1 Information on ToxiToxicity Data:4-NonylphenolSuspected Cancer AgentIrritancy:Sensitization to the ProdGerm Cell Mutagenicity:Reproductive Toxicity:	cological Effect 84852-15 t: luct:	s: Ingredients within this product the following lists: FEDERAL CAL/OSHA and therefore are agents by these agencies. Skin, eye and respiratory irritan This product is not expected to This product does not contain to be a germ cell mutagenic. This product is expected to be	1,412 mg/kg t are not found on one or n OSHA Z LIST, NTP, IAR(considered to be cancer-o nt. o cause skin sensitization. ingredients that are suspe a human reproductive to	C, or causing ected
11.1 Information on Toxi Toxicity Data: 4-Nonylphenol Suspected Cancer Agent Irritancy: Sensitization to the Prod Germ Cell Mutagenicity: Reproductive Toxicity: TION 12 – ECOLOGICAL IN 12.1 Toxicity:	cological Effect 84852-15 t: luct: FORMATION	 S: Ingredients within this product the following lists: FEDERAL CAL/OSHA and therefore are agents by these agencies. Skin, eye and respiratory irritan This product is not expected to This product does not contain to be a germ cell mutagenic. This product is expected to be 	1,412 mg/kg t are not found on one or n OSHA Z LIST, NTP, IAR(considered to be cancer-o nt. o cause skin sensitization. ingredients that are suspe a human reproductive too	C, or causing ected
11.1 Information on Toxi Toxicity Data: 4-Nonylphenol Suspected Cancer Agent Irritancy: Sensitization to the Prod Germ Cell Mutagenicity: Reproductive Toxicity:	cological Effect 84852-15 t: luct:	S: Ingredients within this product the following lists: FEDERAL CAL/OSHA and therefore are agents by these agencies. Skin, eye and respiratory irritar This product is not expected to This product does not contain to be a germ cell mutagenic. This product is expected to be LC50 – Lepomis macrochirus EC50 – Algae	1,412 mg/kg t are not found on one or n OSHA Z LIST, NTP, IAR(considered to be cancer-o nt. o cause skin sensitization. ingredients that are suspe a human reproductive tox	C, or causing ected
11.1 Information on Toxi Toxicity Data: 4-Nonylphenol Suspected Cancer Agent Irritancy: Sensitization to the Prod Germ Cell Mutagenicity: Reproductive Toxicity: TION 12 – ECOLOGICAL IN 12.1 Toxicity:	cological Effect 84852-15 t: luct: FORMATION	 S: Ingredients within this product the following lists: FEDERAL CAL/OSHA and therefore are agents by these agencies. Skin, eye and respiratory irritan This product is not expected to This product does not contain to be a germ cell mutagenic. This product is expected to be 	1,412 mg/kg t are not found on one or n OSHA Z LIST, NTP, IAR(considered to be cancer-o nt. o cause skin sensitization. ingredients that are suspe a human reproductive too	C, or causing ected

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:

12.7 Water Endangerment Class:

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



SpecPoxy Mortar Part B

Version 1

pg. 9

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

13.2 EU Waste Code:

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member States and Japan. 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:** UN2735 **Proper Shipping Name:** Amines Liquid Corrosive NOS Hazard Class Number and Description: Class 8 - Corrosive substances Packing Group: ш DOT Label(s) Required: Corrosive substances North American Emergency Response **Guidebook Number:** 153 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). 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

UN2735 Amines Liquid Corrosive NOS Class 8 – Corrosive substances III F-A-S-B

SECTION 15 – REGULATORY INFORMATION

Shipping Information (IMO): UN Identification Number:

Hazard Class Number and Description:

Proper Shipping Name:

Packing Group:

EMS-No:

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture: <u>United States Regulations:</u> **U.S. SARA Reporting Requirements:**



Version 1	pg. 10
The components of this product are subject to the reporting requirements of Sections Title III of the Superfund Amendments and Reauthorization Act. U.S. SARA 311/312:	302, 304, and 313 of
Acute Health: Yes; Chronic Health: Yes; Fire: No; 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	n listing.
Other U.S. Federal Regulations: None known California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):	
This product does not contain ingredients on the Proposition 65 Lists. <u>15.2</u> <u>Canadian Regulations:</u> 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 Controlle Regulations and the MSDS contains all of the information required by those regulatio	
Canadian WHMIS Classification and Symbols: This product is Class E, Corrosive, and D2B, Materials causing other toxic effects, per Product Regulations.	
15.3 European Economic Community Information:	
This product meets the definition of a hazardous substance or preparation as defined Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Di 2 for Details.	
Chemical Safety Assessment:	
No Chemical Safety Assessment has been carried out for this substance/mixture by the 15.4 Australian Information for Product:	e supplier.
Components of this product are listed on the International Chemical Inventory list. <u>15.5</u> Japanese Information for Product:	
Japanese Minister of International Trade and Industry (MITI) Status: The components listed as Class I specified Chemical Substances, Class II Specified Chemical Substar 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 if Chemicals and Chemical Substances (PICCS): Listed U.S. TSCA: Listed	



SpecPoxy Mortar Part B

Version 1

pg. 11

SECTION 16 – OTHER INFORMATION

Prepared By: Chris Eigbrett (MSDS to GHS Compliance) 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



SpecPoxy Mortar Part C

Version 1

pg. 1

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	SpecPoxy Mortar Part C
Synonyms:	N/A
CAS No:	Mixture
1.2 Product Use:	Rapid setting concrete repair mortar
1.3 Company Name:	SpecChem
Company Address:	1511 Baltimore Ave; Suite 600
Company Address Cont:	Kansas City, MO 64108
Business Phone:	(816) 968-5600
Website:	www.specchemllc.com
1.4 Emergency Telephone Number:	VelocityEHS 1-(800)255-3924 (North America) +1-813-248- 0585 (International) 1-300-954-583 (Australia) 0-800-591-6042 (Brazil) 400-120-0751 (China) 000-800-100-4086 (India) 800- 099-0731 (Mexico)
Date of Last Revision:	February 1, 2015
Date of Current Revision:	July 1, 2018

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a gray powder with minimal odor.

<u>Health Hazards</u>: May cause skin and respiratory irritation and burns to the eyes. Contact with skin may cause an allergic reaction. Repeated exposure may cause damage to the lungs. Contains components that are defined as human carcinogens.

Flammability Hazards: This product is not considered flammable.

Reactivity Hazards: None.

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

US DOT Symbols Not Regulated

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:

238-878-4 is not listed in Annex I

266-043-4 is not listed in Annex I

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





n 1	pg. 2
Components Contributing to Classification:	Crystalline Silica (Quartz)/Silica Sand, Portland
	Cement, Calcium Oxide, Aluminum Sulfate
2.2 Label Elements:	
GHS Hazard Classifications:	Carcinogenicity Category 2
	STOT – SE Category 3 (Respiratory System)
	Skin Irritation Category 2
	Skin Sensitization Category 1 Eye Damage Category 1
Hazard Statements:	H351 Suspected of causing cancer
nazaru Statements.	H373 May cause damage to organs
	(Respiratory System) through prolonged or
	repeated exposure
	H335 May cause respiratory irritation
	H315 Causes skin irritation
	H317 May cause an allergic skin reaction
	H318 Causes serious eye damage
Precautionary Statements:	P201 Obtain special instructions before use.
	P202 Do not handle until all safety precautions
	have been read and understood.
	P260 Do not breath
	dust/fume/gas/mist/vapours/spray.
	P264 Wash thoroughly after handling.
	P271 Use only outdoors or in a well-ventilated area.
	P272 Contaminated work clothing should not be
	allowed out of the workplace
	P270 Do not eat, drink or smoke when using
	this product.
	P280 Wear protective gloves/eye
	protection/face protection.
Response Statements:	P308+P313 IF exposed or concerned: Get
	medical advice/attention.
	P304+P340 IF INHALED: Remove person to
	fresh air and keep comfortable for breathing.
	P312 Call a POISON CENTER/Doctor if you
	feel unwell. P302+P352 IF ON SKIN: Wash with plenty of
	water.
	P333+P312 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.
	P310 Immediately call a POISON
	CENTER/Doctor.



SpecPoxy Mortar Part C

				pg. 3
Storage Statements:			Keep co	233 Store in a well-ventilated place. Intainer tightly closed. ore locked up.
Disposal Statements:			spose of contents/container in	
			nce with	
			local/reg	jional/national/international regulations
2.3 Health Hazards	or Risks F	rom Exposur	e:	
Symptoms of Overe				
The most significar	nt routes of	overexposure	for this produc	t are by contact with skin or eyes. The
symptoms of overe	exposure ar	e described in	the following p	aragraphs.
Acute:				
Inhalation: May cat				
Skin Contact: May			ioo hurno or irri	tation
Eye Contact: Conta Ingestion: May cau				
Chronic: Repeated e				
Target Organs:	skpeedre m			orang.
Acute: Eyes, Skin,	Respiratory	y		
Chronic: Lung, Skir	n			
3) =				
0.				
.)N / INFOR	MATION ON	INGREDIENTS	
SECTION 3 – COMPOSITIC				
ECTION 3 – COMPOSITIO	DN / INFOR	MATION ON CAS No.	INGREDIENTS	Hazard Classification
ECTION 3 – COMPOSITIC Hazardous Ingredients Crystalline Silica (Quartz)/		CAS No.		
ECTION 3 – COMPOSITIC lazardous Ingredients Crystalline Silica (Quartz)/ Silica Sand	WT% 50–70%	CAS No.	EINECS No.	Hazard Classification Carc. 2, STOT RE2
ECTION 3 – COMPOSITIO	WT% 50–70%	CAS No. 14808-60-7	EINECS No. 238-878-4	Hazard Classification Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens.
ECTION 3 – COMPOSITIC lazardous Ingredients Crystalline Silica (Quartz)/ Silica Sand Portland Cement	WT% 50–70% 25–45%	CAS No. 14808-60-7 65997-15-1	EINECS No. 238-878-4 266-043-4	Hazard Classification Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1
ECTION 3 – COMPOSITIC Hazardous Ingredients Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate	WT% 50–70% 25–45% 3–10% 1–4%	CAS No. 14808-60-7 65997-15-1 1305-78-8 10043-01-3	EINECS No. 238-878-4 266-043-4 215-138-9 233-135-0	Hazard Classification Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens.

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.



on 1 Inhalation:	If broathing boomond	pg. 4
	If broathing boomond	
		lifficult, remove victim to fresh air. If necessary, n to support vital functions. Seek medical
Ingestion:	If professional advice is induce vomiting or give unconscious, having co	, call physician or poison center if you feel unwell. s not available, do not induce vomiting. Never e dilutents (milk or water) to someone who is onvulsions, or who cannot swallow. Seek medical the label and/or SDS with the victim to the health
Medical Conditions	•	
Generally Aggravated By Exposure:	Pre-existing skin, respi aggravated by prolonge	ratory system or eye problems may be
4.2 Symptoms and Effe		yed: Exposure to skin and respiratory may cause
	irritation. Contact with t cause an allergic react	the eyes may cause burns. Contact with skin may ion. Repeated exposure may cause damage to
	the lungs.	
4.3 Recommendations t	to Physicians: Treat symp	ptoms and eliminate overexposure.
ON 5 – FIRE FIGHTING N	MEASURES	
5.1 Fire Extinguishing M	<u>laterials:</u>	
Use the following fire ex	vtinguiching materiale:	Water Spray: Yes
		Foam: Yes
		Halon: Yes
		Carbon Dioxide: Yes
		Dry Chemical: Yes
		Other: Any "C" Class
5.2 Unusual Fire and Ex		
	aqueous solution. Do no	igh temperatures. Use of water may result if ot allow run-off from fire fighting to enter
Explosive Sensitivity to M Explosive Sensitivity to S		No No
5.3 Special Fire-Fighting	g Procedures: oonders should wear eye p	rotection.
 Incipient fire resp 		ined Breathing Apparatus (SCBA) and full
 Structural firefigh protective equipn 	nent.	
 Structural firefigh protective equipn Isolate materials 	nent. not yet involved in the fire from fire area if this can be	and protect personnel. e done without risk; otherwise, cool with carefully
 Structural firefigh protective equipn Isolate materials Move containers 	nent. not yet involved in the fire from fire area if this can be	

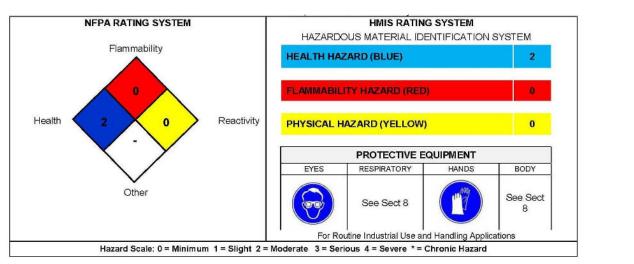


pg. 5

SpecPoxy Mortar Part C

Version 1

• 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:

If liquid was introduced, 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).

SECTION 7 - HANDLING AND STORAGE



SpecPoxy Mortar Part C

Version 1

pg. 6

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.

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:

Rapid setting concrete repair mortar.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

Ingredients	CAS No.	OSHA PEL	NIOSH PEL	ACGIH TWA
Crystalline Silica (Quartz)/Silica Sand	14808-60-7	TWA 0.1 mg/m3 (resp) TWA 0.3 mg/m3 (total)	Ca TWA 0.05 mg/m3	0.025 mg/m3
Portland Cement	65997-15-1	TWA 5 mg/m3 (resp) TWA 15 mg/m3 (total)	TWA 5 mg/m3 (resp) TWA 10 mg/m3 (total)	10 mg/m3 (total)
Calcium Oxide	1305-78-8	TWA 5 mg/m3	TWA 2 mg/m3	TWA 2 mg/m3
Aluminum Sulfate	10043-01-3	TWA 2 mg/m3	TWA 2 mg/m3	TWA 2 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:	Maintain airborne contaminant concentrations below guidelines listed above. 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: Hand 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. Chemical resistant gloves are required to
	prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European



ion 1	pg. 7
Body Protection:	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.
ON 9 – PHYSICAL AND CHEMICAL PROPE	ERTIES
9.1 Information on Basic Physical and Ch	
ppearance (Physical State and Color): Gra	
Odor: Minimal	
Odor Threshold: No data available pH: No data available	
•	
Melting/Freezing Point: No data available Boiling Point: No data available	
Melting/Freezing Point: No data available Boiling Point: No data available Flash Point: No data available	
Melting/Freezing Point: No data available Boiling Point: No data available Flash Point: No data available Evaporation Rate: No data available	ام
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Melting/Freezing Point: No data available Boiling Point: No data available Flash Point: No data available Evaporation Rate: No data available Flammability (Solid; Gas): No data availab Upper/Lower Flammability or Explosion L Vapor Pressure (mm Hg @ 20°C (68° F): N Vapor Density: No data available Relative Density: No data available Specific Gravity: 2.6 - 3.2 Solubility in Water: Miscible Weight per Gallon: No data available Partition Coefficient (n-octanol/water): No Auto-Ignition Temperature: No data availab Decomposition Temperature: No data available 9.2 Other Information: No data available	imits: No data available lo data available ble ilable This product is not reactive. Stable under conditions of normal storage and use.



SpecPoxy Mortar Part C Version 1 pg. 8 10.5 Incompatible Substances: Hydrogen fluoride. 10.6 Hazardous Decomposition Products: No data available. SECTION 11 – TOXICOLOGY INFORMATION 11.1 Information on Toxicological Effects: **Toxicity Data:** No data available **Suspected Cancer Agent:** Crystalline Silica (Quartz)/Silica Sand (CAS 14808-60-7) is found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore is considered to be a cancer-causing agent by these agencies. Skin, eye, and respiratory irritant. Irritancy: This product is expected to cause skin sensitization. Sensitization to the Product: Germ Cell Mutagenicity: This product does not contain ingredients that are suspected to be a germ cell mutagenic. **Reproductive Toxicity:** This product is not expected to be a human reproductive toxicant. SECTION 12 - ECOLOGICAL INFORMATION 12.1 Toxicity: No data available 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. Not determined 13.2 EU Waste Code: **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:** Not applicable **Proper Shipping Name:** Not regulated Hazard Class Number and Description: Not applicable Packing Group: Not applicable DOT Label(s) Required: Not applicable



Version 1	pg. 9
North American Emergency Response Guidebook Number: <u>14.2 Environmental Hazards:</u> Marine Pollutant:	Not applicable The components of this product are not designated by
14.3 Special Precaution for User:	the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B). None
14.4 International Air Transport Association Shipping Information (IATA):	Not regulated.
<u>14.5 International Maritime Organization</u> Shipping Information (IMO): UN Identification Number:	Not applicable
Proper Shipping Name: Hazard Class Number and Description: Packing Group:	Not regulated Not applicable Not applicable
EMS-No:	Not applicable
SECTION 15 – REGULATORY INFORMATION	
of Title III of the Superfund Amendments and Reaut U.S. SARA 311/312: Acute Health: Yes; Chronic Health: Yes; Fire: No; R U.S. CERCLA Reportable Quantity: None U.S. TSCA Inventory Status: The components of this product are listed on the TS Other U.S. Federal Regulations: None known California Safe Drinking Water and Toxic Enforc This product does contain "Silica, crystalline", which	ne reporting requirements of Sections 302, 304, and 313 thorization Act. Reactivity; No SCA Inventory or are exempted from listing. ement Act (Proposition 65):
 <u>15.2 Canadian Regulations:</u> Canadian DSL/NDSL Inventory Status: Components are DSL Listed, NDSL Listed and/or a Other Canadian Regulations: Not applicable Canadian Environmental Protection Act (CEPA) This product has been classified in accordance with Regulations and the MSDS contains all of the inform Canadian WHMIS Classification and Symbols: This product is Class E, Corrosive, and D2B, Materi Product Regulations 	Priorities Substances Lists: the hazard criteria of the Controlled Products
Froduct negulations	



SpecPoxy Mortar Part C

Version 1 pg. 10
 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.
 <u>15.5 Japanese Information for Product:</u> 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. <u>15.6 International Chemical Inventories:</u> 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 (PICCS): Listed U.S. TSCA: Listed
SECTION 16 – OTHER INFORMATION
Prepared By: Chris Eigbrett (MSDS to GHS Compliance) 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