SpecPoxy Accelerator

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	SpecPoxy Accelerator
Synonyms:	N/A
CAS No:	Mixture
1.2 Product Use:	Epoxy Accelerator
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:	March 9, 2015
Date of Current Revision:	July 1, 2018

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA "Hazard Communication Standard")

Flammable liquids (Category 4), H227
Acute toxicity, Oral (Category 4), H302
Acute toxicity, Inhalation (Category 3), H331
Acute toxicity, Dermal (Category 4), H312
Skin Corrosion/Irritation (Category 2), H315
Eye irritation (Category 2A), H319
Carcinogenicity (Category 2), H351
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Nose, H373

2.2 GHS Label elements, including precautionary statements

EU and GHS Symbols:

Signal Word: Danger

Components Contributing to Classification: Furfuryl Alcohol, 2,4,6-tris(dimethylaminomethyl)phenol,

Hazard Statements:
H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318 – Causes serious eye damage
H413 - May cause long lasting harmful effects to aquatic life.

Precautionary Statements:
P201 Obtain special instructions before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311 Call a poison center/doctor.
P321 Specific treatment (see on this label).
P330 Rinse mouth.
P362 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P233 Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to appropriate hazardous waste collection point.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

This material is combustible but will not ignite readily.

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	WT%	CAS No.	EC Num.
2-furylmethanol	40-60%	98-00-0	202-626-1
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	40-60%	90-72-2	202-013-9

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 diluents (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 burns or redness.

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: Use water spray, alcohol resistant foam, BC-powder, Carbon dioxide

Unsuitable extinguishing media: Water Jet

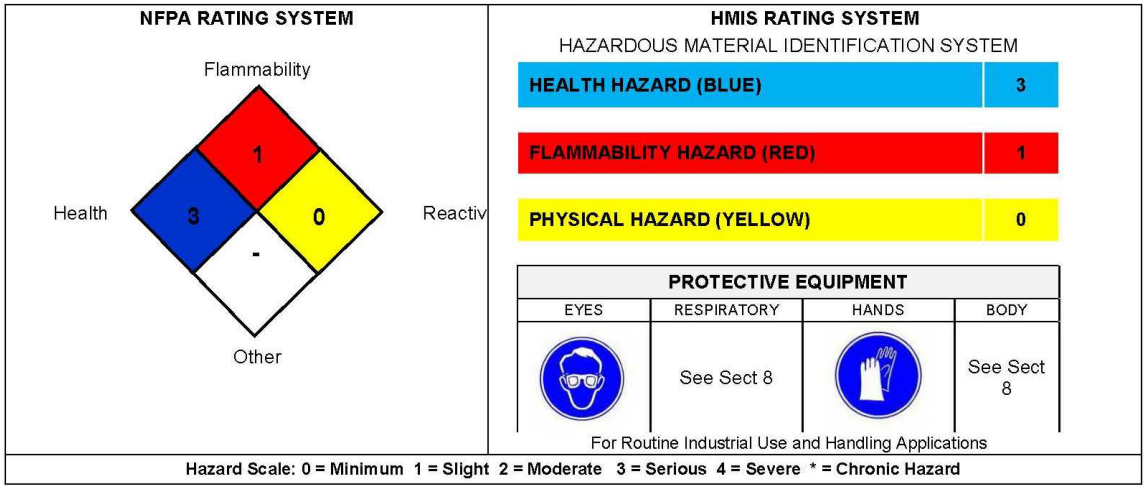
5.2 Unusual Fire and Explosion Hazards:

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 firefighting to enter drains or water courses.

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. Ensure adequate ventilation. Evacuate personnel to safe areas.

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. Observe label precautions.

7.3 Specific Uses:
Epoxy.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

Component	CAS-No.	Value	Control Parameters	Basis
Furfuryl Alcohol	98-00-0	TWA	0.2ppm	USA. ACGIH Threshold Limit Values (TLV)
		ST	15ppm 60 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	10ppm 40mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	50ppm 200mg/m3	USA. Occupational Exposure Limits (OSHA) – Table Z-1Limits for Air Contaminants
		PEL	10ppm 40mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		STEL	15ppm 60mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

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: Wear appropriate certified respirator when exposure limits may be exceeded.

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:	Impervious clothing. 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): Amber liquid
Odor: ammonia-like
Odor Threshold: No data available
pH: Slightly alkaline
Melting/Freezing Point: No data available
Boiling Point: 338°F (170°C)
Flash Point: 65°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 ± 0.05
Solubility in Water: Miscible
Weight per Gallon: No data available
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: If heated: Risk of ignition.

10.2 Stability: See below "Conditions to avoid."
10.3 Possibility of Hazardous Reactions: Not Determined.
10.4 Conditions to Avoid: Heat, hot surfaces, open flame, and other sources of ignition. No smoking. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or 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:

Furfuryl Alcohol:

-Acute toxicity
Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled.
-Acute toxicity estimate (ATE)
Oral 100 mg/kg
Dermal 300 mg/kg
Inhalation: vapor 3 mg/l/4h
Inhalation: dust/mist 0.5 mg/l/4h
-Skin corrosion/irritation
Causes skin irritation.
-Serious eye damage/eye irritation
Causes serious eye irritation.
-Respiratory or skin sensitization
Shall not be classified as a respiratory or skin sensitizer.
-Germ cell mutagenicity
Shall not be classified as germ cell mutagenic.
-Carcinogenicity
Suspected of causing cancer.
-Reproductive toxicity
Shall not be classified as a reproductive toxicant.
-Specific target organ toxicity - single exposure
May cause respiratory irritation.
-Specific target organ toxicity - repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).
-Aspiration hazard
Shall not be classified as presenting an aspiration hazard.

Phenol, 2,4,6-tris[(dimethylamino)methyl]- :

Eye : Administration into the eye - Rabbit Standard Draize test: 50 ug/24H [Severe]
Administration into the eye - Rabbit Standard Draize test: 50 ug/24H [Severe] (RTECS)

Skin: Administration onto the skin - Rat LD50 - Lethal dose, 50 percent kill: 1280 mg/kg [Details of toxic effects not reported other than lethal dose value]
Administration onto the skin - Rat LD50 - Lethal dose, 50 percent kill: 1280 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: 1200 mg/kg [Peripheral Nerve and Sensation-Flaccid paralysis without anesthesia (usually neuromuscular blockage) Lungs, Thorax, or Respiration-Dyspnea]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 1673 mg/kg [Behavioral-Tremor Gastrointestinal-Ulceration or bleeding from stomach Liver-Other changes]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 1200 mg/kg [Peripheral Nerve and Sensation-Flaccid paralysis without anesthesia (usually neuromuscular block age) Lungs, Thorax, or Respiration-Dyspnea]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 1673 mg/kg [Behavioral-Tremor Gastrointestinal-Ulceration or bleeding from stomach Liver- Other changes] (RTECS)

SECTION 12 – ECOLOGICAL INFORMATION

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: UN2735
Proper Shipping Name: Amines, Liquid, Corrosive, n.o.s. (2,4,6-Tris(Dimethylaminomethyl)phenol)
Hazard Class Number and Description: Class 8 – Corrosive substances
Packing Group: III
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 not 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):	856 (cargo aircraft), 852 (passenger aircraft)
14.5 International Maritime Organization Shipping Information (IMO):	
UN Identification Number:	UN2735
Proper Shipping Name:	Amines, Liquid, Corrosive, n.o.s. (2,4,6-Tris(Dimethylaminomethyl)phenol)
Hazard Class Number and Description:	Class 8 – Corrosive substances
Packing Group:	III
EMS-No:	F-A, S-B

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: No; Reactivity; No

U.S. CERCLA Reportable Quantity:

Not listed

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

WARNING: This product can expose you to furfuryl alcohol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Furfuryl Alcohol – Cas No. 98-00-0- Can cause cancer.

15.2 International Chemical Inventories:

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

AU - Australian Inventory of Chemical Substances (AICS): Listed
CA – Domestic Substance List (DSL): Listed
CN – Inventory of Existing Chemical Substances Produced or Imported in China (IECSC): Listed
EU - REACH registered substances (Reach Reg): Listed
EU - EC Substance Inventory (EINECS, ELINCS, NLP): Listed
JP - List of Existing and New Chemical Substances (CSCL-ENCS): Listed
KR - Korean Existing Chemicals List (KECI): Listed
MX - National Inventory of Chemical Substances (INSQ): Listed
NZ - New Zealand Inventory of Chemicals (NZIoC): Listed
PH - Philippines Inventory if Chemicals and Chemical Substances (PICCS): Listed
TR - Chemical Inventory and Control Regulation (CICR): Listed
TW - Taiwan Chemical Substance Inventory (TCSI): Listed
U.S.- Toxic Subsance Control Act (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