

Section 1 - Chemical Product and Company Information

Product Name: Epoxy Hub EH MPE 100 Part B

Product Code: Epoxy MP300 Part B

Supplied by:

Epoxy Hub
7688 McEwen Road
Dayton, OH 45459
(937) 989-2628

Chemtrec

2900 Fairview Park Drive
Falls Church, VA 22042-4513
(800) 262-8200

Emergency Hot Line:

(800) 424-9300

Section 2 - Hazards Identification

GHS Ratings:

Oral Toxicity	4	Oral>300+<=2000mg/kg
Inhalation Toxicity	2	Gases>100+<=500ppm, Vapors>0.5+<=2mg/L, Dusts & mists>0.05+<=0.5mg/L

GHS Hazards

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash hand thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see supplemental first aid instruction on this label)
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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
P308+P313	If exposed or concerned: Get medical attention/advice
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

Signal Word: Danger



Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Poly(oxypropylene) Diamine	9046-10-0	40.00% - 50.00%
Benzyl Alcohol	100-51-6	30.00% - 40.00%
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	10.00% - 20.00%
4-Tert-Butylphenol	98-54-4	5.00% - 10.00%

Section 4 - First Aid Measures

Inhalation: Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and seek medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention immediately.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician. Seek medical attention immediately.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Seek medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

Notes to Physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5 - Fire Fighting Measures

Flash Point: >100°C (>212°F)

LEL: 1.00

UEL: 13.00

Flammability of the product: In a fire or if heated, a pressure increase will occur and the container may burst.

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Not Suitable Extinguishing Media: Do not use water jet.

Special exposure hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous combustion products: No specific data.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 - Accidental Release Measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7 - Handling and Storage

Handling Precautions: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage Requirements: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Poly(oxypropylene) Diamine 9046-10-0	Not Established	Not Established	Not Established
Benzyl Alcohol 100-51-6	Not Established	Not Established	Not Established
2,4,6-tris (dimethylaminomethyl) phenol 90-72-2	Not Established	Not Established	Not Established
4-Tert-Butylphenol 98-54-4	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Respiratory Protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Material of gloves for long term application (BTT>480min):

- butyl rubber
- ethyl vinyl alcohol laminate (EVAL)
- gauntlet type

Material of gloves for short term/splash application (10min<BTT<480min):

- nitrile rubber
- gauntlet type

Eye Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

Appearance: Light Yellow Lb/Gal: 8.33 lbs % Weight Solids: 100.00% %VOC: 0.00% Flash Point: >212°F, >100°C	Odor: Amine Specific Gravity (SG): 0.998 SG % Volume Solids: 100.00% g/L VOC: 0.00 g/L
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Section 10 - Stability and Reactivity

Stability: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
STABLE

Incompatibilities/Conditions to avoid: Strong oxidizer, Keep away from heat, sparks, flame and other ignition sources.
Strong oxidizing agents.

No Data Available

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition products may include the following materials: carbon monoxide, oxides of nitrogen.

No Data Available

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 432mg/kg
Dermal Toxicity LD50: 2,178mg/kg
Inhalation Toxicity LC50: 1mg/L

Component Toxicity

9046-10-0	Poly(oxypropylene) Diamine Oral LD50: 242 mg/kg (Rat) Dermal LD50: 2,980 mg/kg (Rabbit) Inhalation LC50: 1 mg/L (Rat)
100-51-6	Benzyl Alcohol Oral LD50: 1,230 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 4,178 mg/m3 (Rat)
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol Oral LD50: 1,200 mg/kg (Rat) Dermal LD50: 1,280 mg/kg (Rat)
98-54-4	4-Tert-Butylphenol Oral LD50: 4,000 mg/kg (Rat) Dermal LD50: 2,318 mg/kg (Rabbit)

CAS Number	Description	% Weight	Carcinogen Rating
None			No Data Available

Section 12 - Ecological Information

Environmental effects: No known significant effects or critical hazards.

Component Ecotoxicity

Benzyl Alcohol	LC50 96 h Pimephales promelas 460 mg/L (EPA); LC50 96 h Lepomis macrochirus 10 mg/L (EPA) EC50 48 h water flea 23 mg/L
4-Tert-Butylphenol	LC50 96 h Pimephales promelas 4.71 - 5.62 mg/L (EPA); LC50 96 h Cyprinus carpio 6.9 mg/L (EPA) EC50 48 h Daphnia magna 3.9 mg/L (IUCLID); EC50 48 h Daphnia magna 3.4 - 4.5 mg/L [Static] (EPA) EC50 72 h Desmodesmus subspicatus 11.2 mg/L (IUCLID)

Section 13 - Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 - Transport Information

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
IMDG	AMINES, LIQUID, CORROSIVE, N.O.S.	UN2735	II	8
IATA	AMINES, LIQUID, CORROSIVE, N.O.S.	UN2735	II	8
DOT	AMINES, LIQUID, CORROSIVE, N.O.S.	UN2735	II	8
ADR/RID	AMINES, LIQUID, CORROSIVE, N.O.S.	UN2735	II	8

Section 15 - Regulatory Information

The state of California Safe Drinking Water and Toxic Enforcement Act of 1986 "Proposition 65" Warning, this product can expose you to chemicals which are known to the state of California to cause cancer. For more information go to www.p65warnings.ca.gov.

No Data Available

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

No Data Available

R2K List

100-51-6 Benzyl Alcohol

98-54-4 4-Tert-Butylphenol

Country	Regulation	All Components Listed
No Data Available		

Section 16 - Other Information

The material contained in this Safety Data Sheet is based on information supplied to Epoxy Hub by the manufacturer based on raw material suppliers information on the individual components of this product. Epoxy Hub believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

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