

EPOGLAZE WB Epoxy Hardener - Part II

Printed: 04/15/2020

Revision: 04/14/2020

Supersedes Revision: 12/17/2015

1. Product and Company Identification

Product Code: EPOGLAZE II

Product Name: EPOGLAZE WB Epoxy Hardener - Part II

Company Name: Key Resin Company
4050 Clough Woods Dr.
Batavia, OH 45103

Phone Number: +1 (513)943-4225

Emergency Contact: Chemtrec (USA) (800)424-9300
Chemtrec (International) +1 (703)527-3887

Intended Use: Industrial floor coatings.

2. Hazards Identification

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2



Warning

GHS Hazard Phrases: H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.

GHS Storage and Disposal Phrases: No phrases apply.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): Contact may irritate or burn skin and eyes. Can cause severe respiratory irritation.

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Corrosive/irritation to eyes. Causes eye burns.

Ingestion: Harmful if swallowed. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

Medical Conditions Generally Aggravated By Exposure: Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
NA	Amine functional polymer	30 - 45 %	
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl))	<10 %	
100-51-6	Benzenemethanol	<5.0 %	
107-98-2	2-Propanol, 1-Methoxy-	<5.0 %	

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4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.
In Case of Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.
In Case of Eye Contact:	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention immediately.
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Get medical attention immediately.
Signs and Symptoms Of Exposure:	Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Skin: Moderate irritation effect. Inhalation: Vapors are irritating to the respiratory system, may cause throat pain and cough.

5. Fire Fighting Measures

Flash Pt:	> 200.00 F (93.3 C)
Explosive Limits:	LEL: NE UEL: NE
Autoignition Pt:	No data.
Suitable Extinguishing Media:	CO2, dry chemical, dry sand, alcohol-resistant foam.
Unsuitable Extinguishing Media:	Do not use a direct water stream, which may spread fire.
Fire Fighting Instructions:	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Flammable Properties and Hazards:	Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Where splashing is possible, full chemically resistant protective clothing, and boots are required. Wear safety glasses with side shields (or goggles) and a face shield.
Environmental Precautions:	Prevent entry into waterways, sewers, basements or confined areas.
Steps To Be Taken In Case Material Is Released Or Spilled:	PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

7. Handling and Storage

Precautions To Be Taken in Handling:	Provide adequate ventilation. Wear all personal protection required in section 8.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible material.
Other Precautions:	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

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8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Amine functional polymer	No data.	No data.	No data.
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl))	No data.	No data.	No data.
100-51-6	Benzenemethanol	No data.	No data.	No data.
107-98-2	2-Propanol, 1-Methoxy-	No data.	TLV: 100 ppm STEL: 150 ppm	No data.

Respiratory Equipment (Specify Type):

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection:

Safety glasses, or goggles.

Protective Gloves:

Nitrile rubber and Neoprene are recommended.

Other Protective Clothing:

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.):

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices:

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Environmental Exposure Controls:

Avoid runoff into storm sewers and ditches which lead to waterways.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Odor: Slight odor. Appearance: Liquid. White.
Melting Point:	NE
Boiling Point:	> 205.00 F (96.1 C)
Decomposition Temperature:	NE
Autoignition Pt:	No data.
Flash Pt:	> 200.00 F (93.3 C)
Explosive Limits:	LEL: NE UEL: NE
Specific Gravity (Water = 1):	~ 1.044
Density:	~ 8.71 LB/GL
Vapor Pressure (vs. Air or mm Hg):	~ 18.70 MM_HG at 70.0 F (21.1 C)
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	NE
Solubility in Water:	NE
Solubility Notes:	Water soluble.

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Saturated Vapor Concentration: NE

Percent Volatile: ~ 42.6 % by volume.

VOC / Volume: < 50.0000 G/L

10. Stability and Reactivity

Reactivity: Avoid: acids, alkalis, oxidizing agents.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Extreme temperatures.

Incompatibility - Materials To Avoid: Avoid strong acids, bases, and oxidizing agents.

Hazardous Decomposition Or Byproducts: Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, and phenolics. Ammonia. Aldehydes. Nitrogen oxides, Chlorine.

Possibility of Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information: Moderate irritation effect.

Irritation or Corrosion: Corrosive! Damages skin and eyes. May cause skin, eye irritation/burns.

Symptoms related to Toxicological Characteristics:
 Skin: Contact with substance may cause severe burns to skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
 Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Permanent eye damage including blindness could result.
 Inhalation: Inhalation of vapors/fumes causes respiratory irritation with throat discomfort, coughing or difficulty breathing.

Chronic Toxicological Effects: No data available based on mixture itself.

12. Ecological Information

General Ecological Information: Avoid release to the environment. Do not empty into drains. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: not reported, unknown.

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13. Disposal Considerations

Waste Disposal Method: Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

Precautionary Label: Causes serious eye damage. May cause skin irritation. Wear all required personal protection.

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

UN Number:

Hazard Class:

Packing Group:

IMDG MFAG Number:

IMDG EMS Page:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	Amine functional polymer	No	No	No
9046-10-0	*Poly(oxy(methyl-1,2-ethanediyl)	No	No	No
100-51-6	Benzenemethanol	No	No	No
107-98-2	2-Propanol, 1-Methoxy-	No	No	No

This material meets the EPA Yes No Acute (immediate) Health Hazard

'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard

for SARA Title III Sections Yes No Fire Hazard

311/312 as indicated: Yes No Sudden Release of Pressure Hazard

Yes No Reactive Hazard

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16. Other Information**Revision Date:** 04/14/2020**Hazard Rating System:**

HEALTH	2
FLAMMABILITY	1
PHYSICAL	0
PPE	X

HMIS:

Additional Information About This Product: CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED
NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

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