

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Product Name / Trade Name	EPO-Guard™ EPO-MVB Part A
CAS No.	Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Industrial Flooring Resin
Uses Advised Against	None

Details of the supplier of the safety data sheet

Company Identification	Res-Tek, Inc. 110 Riverside Drive Cartersville, Georgia 30120 United States of America
Telephone	1-888-737-8351 / 1-770-427-4034

Emergency telephone number

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Aqua. Chronic 2

Label elements

Hazard Symbol



WARNING

Signal Word(s)

Hazard Statement(s)

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Avoid release to the environment.
Wear protective gloves / eye protection / face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.

Other hazards

Contains epoxy constituents. May produce an allergic reaction.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
bis[4-(2,3-epoxypropoxy)phenyl]propane	50 - 100	1675-54-3	Skin Irrit. 2; H315 Skin Sens. 1, H317 Eye Irrit. 2, H319; Aquatic Chronic 2; H411
Bisphenol F- Epoxy resin	10 - 25	9003-36-5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411;
oxirane, mono[(C12-14-alkyloxy)methyl] derivs	10 - 25	68609-97-2	Skin Irrit. 2, H315 Skin Sens. 1, H317

For full text of H phrases see section 16.

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms persist, obtain medical attention.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Ingestion	Get medical advice/attention. Treat symptomatically.
Most important symptoms and effects, both acute and delayed	May cause an allergic skin reaction.
Indication of any immediate medical attention and special treatment needed	None anticipated.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media	Extinguish with water spray, dry chemical, sand or carbon dioxide.
-Unsuitable Extinguishing Media	None anticipated.

Special hazards arising from the substance or mixture

None anticipated.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection. Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection.
Environmental precautions	Do not allow to enter drains, sewers or watercourses. Do not allow to enter the ground/soil.
Methods and material for containment and cleaning up	Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.
Reference to other sections	None
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin after use. Do not breathe dust / fume / gas / mist / vapors / spray. Contaminated work clothing should not be allowed out of the workplace. Work in well ventilated zones or use proper respiratory protection.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Store in original container. Keep container tightly closed and in a well-ventilated place. Store frost free.
-Incompatible materials	Strong oxidizing agents, alkali, amines and acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
bis[4-(2,3-epoxypropoxy)phenyl]propane	1675-54-3	-----	-----	-----	-----	-----
Bisphenol F- Epoxy resin	9003-36-5	-----	-----	-----	-----	-----
oxirane, mono[(C12-14-alkyloxy)methyl] derivs	68609-97-2	-----	-----	-----	-----	-----

- TWA: Time Weighted Average; PEL: Permissible Exposure Limit; TLV: Threshold Limit Value; STEL: Short Term Exposure Limit

Exposure controls

Appropriate engineering controls Work in well ventilated zones or use proper respiratory protection.

Personal protection equipment

Eye/face protection Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)



Respiratory protection



Thermal hazards

Gloves (Butyl rubber, Nitrile Rubber, Fluorocarbon Rubber (Viton), PVC Gloves). Check with protective equipment manufacturer's data. Gloves should be changed regularly to avoid permeation problems.

In case of inadequate ventilation wear respiratory protection. Air-purifying respirator with organic vapor cartridges may provide sufficient protection. Check with protective equipment manufacturer's data.

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid.
Color.	Yellowish.
Odor	Weak, characteristic.
Odor Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	>200 (>392°F)
Flash Point (°C)	>150 (>302°F)
Evaporation Rate	Not available.
Flammability (solid, gas)	Not self igniting.
Explosive Limit Ranges	Product is not explosive.
Vapour pressure (mmHg)	Not available.
Vapor Density (Air=1)	Not available
Density (g/ml)	1.1 @ 23 °C (9.18 lb/gal @ 23 °C)
Specific Gravity	1.1
Solubility (Water)	Not miscible or difficult to mix.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Dynamic Viscosity (cPs)	950 @ 23 °C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	Not to be expected.
Conditions to avoid	Incompatible materials.
Incompatible materials	Strong oxidising agents, alkali, amines and acids.
Hazardous decomposition product(s)	Combustion will evolve toxic gases and vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Acute toxicity (estimated / calculated)

bis[4-(2,3-epoxypropoxy)phenyl]propane, CAS# 1675-54-3

Oral: LD50: 15,000 mg/kg (rat)

Dermal: LD50: 23,000 mg/kg (rat)

Bisphenol F- Epoxy resin, CAS# 9003-36-5

Oral: LD50: > 2,000 mg/kg (rat)

Dermal: LD50: > 2,000 mg/kg (rat)

oxirane, mono[(C12-14-alkyloxy)methyl] derivs, CAS# 68609-97-2

Oral: LD50: > 5,000 mg/kg (rat)

Dermal: LD50: > 4,500 mg/kg (rat)

Corrosivity / Irritation

Causes skin irritation. May cause an allergic skin reaction.

Causes serious eye irritation.

Sensitization

May cause sensitization by skin contact.

Repeated dose toxicity

Not to be expected.

Mutagenicity

Not to be expected.

Carcinogenicity

Not a carcinogen according to NTP, IARC, ACHIGH or OSHA.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Toxicity for reproduction

Not to be expected.

Other information

None.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity

bis[4-(2,3-epoxypropoxy)phenyl]propane, CAS# 1675-54-3

LC50 (96 hour) (Fish):

2 mg/l (Oncorhynchus mykiss (Regenbogenforella)).

EC50 (72 hour) (Algae)

11 mg/l (Scenedesmus capricornutum).

EC50 (48 hour) (Crustacea)

1.8 mg/l (Daphnia magna (Wasserfloh)).

EC 50 (Bacteria)

100 mg/l (Pseudomonas putida)

Bisphenol F- Epoxy resin, CAS# 9003-36-5

EC50 (96 hour) (Fish)

2.54 mg/l (Leuciscus idus)

LC50 (72 hour) (Algae)

1.88 mg/l (Scenedesmus capricornutum)

LC50 (48 hour) (Crustacea)

2.55 mg/l (Daphnia magna (Wasserfloh)).

oxirane, mono[(C12-14-alkyloxy)methyl] derivs, CAS# 68609-97-2

LC50 (96 hour) (Fish)

>5,000 mg/l (Oncorhynchus mykiss (Regenbogenforella))

EC50 (72 hour) (Algae)

844 mg/l

EC50 (48 hour) (Crustacea)

7.2 mg/l (Daphnia magna (Wasserfloh)).

EC50 (Bacteria)

>100 mg/l (Belebtschlamm (activated sludge)).

Long Term Toxicity

No further relevant information available.

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects




No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 3082	UN 3082	UN 3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN), MARINE POLLUTANT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	Yes *	Yes	Yes
Placard			
Special precautions for user	None assigned	None assigned	None assigned
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable			
* Reportable Quantity (RQ) substance			

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories:

- Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: September 15, 2020

Hazard Statement(s) Listed in: SECTION 3

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Additional Information: None.

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