



Gromax Enterprises Corp.

17335 Daimler Street, Irvine , CA 92614

Toll: 800-343-3508 Tel: 949-833-1199 Fax: 949-833-0099

www.gromaxchemical.com e-mail: info@gromax-usa.com

Material safety Data Sheet

1. Identification of Substance

Company Name: **Gromax Enterprises Corporation**

Manufacturing Address: 17335 Daimler Street Irvine, CA 92614

Contact Phone Number: +1 800-343-3508



Fax: +1 714-891-1037

Company Website: <http://www.gromaxchemical.com/>

2. Composition / Data on components

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with nonhazardous additions

Dangerous components:		
25068-38-6	Bisphenol-A Diglycidyl Ether  Xi; R36/38-R4 ,  Xn;R38	100%

Notes:

Chemical designation: Phenol, 4,4 O-(1-methylethylidene) bis-polymer with (chloromethyl) oxiran

3. Hazards of identification

Hazard description:



Causes severe skin burns and eye damage

Harmful: Irritating to skin

· **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of international guidelines. Irritating to eyes and skin.

May cause sensitization by skin contact.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment. Possible risk of harm to the unborn child.

Harmful: may cause lung damage if swallowed.

V pours may cause drowsiness and dizziness.

Contains epoxy constituents. See information supplied by the manufacturer. ·

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA rating (Scale 0-4)



Health =	1
Fire =	0
Reactivity =	0

SAF-T-DATA^(tm) Ratings (Provided here for your convenience) Health Rating: 1 - Faint

Flammability Rating: 0- None

Reactivity Rating: 0 - None

Contact Rating: 0 - None

4. First aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. ·

After swallowing: If symptoms persist consult doctor.

5. Fire fighting measures

· **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Use water spray.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Fire fighting instructions :** Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. Unusual fire/explosion hazards Irritating or

toxic substances may be emitted upon burning, combustion or decomposition. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

· **Unusual fire/explosion hazards**

Irritating or toxic substances may be emitted upon burning, combustion or decomposition. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

6. Accidental release measures

· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

· **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

· **Evacuation instructions**

Not Applicable

7. Handling and storage

· **Handling:**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

As with any chemical product, use good laboratory/workplace procedures. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product. Provide eyewash fountains and safety showers in the work area.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances. Keep away from heat, sparks and open flames. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

· **Information about storage in one common storage facility:** Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

8. Exposure controls and personal protection

Additional information about design of technical systems: No further data

Components with limit values that require monitoring at the workplace:

Bisphenol-AI diglycidyl ether : Not Application

PEL	Short-term value:	ppm	
	Long-term value:	ppm	
REL	Short-term value:	mg/m ³ ,	ppm
	Long-term value:	mg/m ³ ,	ppm
TLV		mg/m ³ ,	ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin. ·

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

General Information
Form: Liquid
Color: Clear
Odor: Very slight(Characteristic)
Change in condition
Melting point/Melting range: Not available
Boiling point/Boiling range: 500°F

Flash point: 480°F (PMCC)
Ignition temperature: Not available
Auto igniting temperature: Product is not self-igniting
Danger of explosion: Product is not explosive.
Explosion limits: Not available
Lower: Vol %
Upper: Vol %
Vapor pressure at 20°C (68°F): 0.03 mm Hg
Density at 20°C (68°F): 1.17 g/cm ³
Solubility in / Miscibility with Water: Not soluble
Solvent content:
Organic solvents: %
VOC content: %
Solids content: 100%

9. Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

10. Toxicological information

Acute toxicity: LD/LC50 values that are relevant for classification:

Glycerine polyglycidyl ether

Oral	LD50	>1100	mg/kg (rat)
Dermal	LD50	>20	mg/kg (rabbit)
Inhalative	LC50/4 h	NE	mg/l (mouse)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

11. Ecological information

- **Ecotoxic effects:** No ecological testing has been conducted on this product.
- **Remark:** Toxic for fish

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

12. Disposal considerations

· **Product:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Notes :** No additional information

13. Transportation information

<p>· DOT regulations:</p> <p>· Hazard class: N/A</p> <p>· Identification number: N/A</p> <p>· Packing group: N/A</p> <p>· Proper shipping name (technical name): RAW MATERIAL RESIN Glyether[®] Resin EJ-8128</p> <p>· Label : N/A</p>
<p>· Land transport ADR/RID (cross-border):</p> <p>· ADR/RID class: N/A</p> <p>· Danger code (Kemler): N/A</p> <p>· UN-Number: N/A</p> <p>· Packaging group: N/A</p> <p>· Label: N/A</p> <p>· Description of goods: RAW MATERIAL RESIN Glyether[®] Resin EJ-8128</p>
<p>· Maritime transport IMDG:</p> <p>· IMDG Class: N/A</p> <p>· UN Number: N/A</p> <p>· Label: N/A</p> <p>· Packaging group: N/A</p> <p>· EMS Number: N/A</p> <p>· Marine pollutant: No</p> <p>· Proper shipping name: RAW MATERIAL RESIN Glyether[®] Resin EJ-8128</p>
<p>· Air transport ICAO-TI and IATA-DGR:</p> <p>· ICAO/IATA Class: N/A</p> <p>· UN/ID Number: N/A</p> <p>· Label : N/A</p> <p>· Packaging group: N/A</p>
<p>Notes : No additional information</p>

14. Regulations

· TSCA (Toxic Substances Control Act):

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

· Product related hazard informations:

- National regulations:
- Classification according to VbF : Void
- Hazard symbols:



Causes severe skin burns and eye damage Irritating to skin

· Risk phrases:

R 36/38 : Irritating to eyes and skin.

R/ 43 : May cause sensitization by skin contact.

· Safety phrases:

S2 : Keep out of the reach of children.

S1 3 : Keep away from food, drink and animal feeding stuffs.

S2 4/25 : Avoid contact with skin and eyes.

S3 7 : Wear suitable gloves.

S4 6 : If swallowed, seek medical advice immediately and show this

container or label. · Special labeling of certain preparations:

Contains epoxy constituents. See information supplied by the manufacturer.

15. Other information

· Contact:

· Department issuing MSDS: Environment protection department.: **Gromax Enterprises Corporation**

Tel : +1 800-343-3508, Fax: +1 714-891-1037 ·

*** Data compared to the previous version altered.**