

Safety Data Sheet
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Section I - Product Identification

Manufacturer: The Chargar Corp.
299 Welton Street
Hamden, CT 06517
Telephone: 203-562-9948 Emergency# 1-800-922-4623
Trade Name: Epoxy Adhesive #100
Product Class: Compound part A & B

Section II - Hazardous Ingredients



Signal word: Danger

Label Elements:

Skin sensitization, category 1.
Skin irritation, category 2.
Eye irritation, category 2A.

Hazard Statements:

H302 Harmful if swallowed
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary Statements:

P261: Avoid breathing dust/fume/
gas/vapor/spray.
P280: Wear protective gloves/clothing/eye
protection/face protection.
P273: Avoid release to the environment.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke while using
this product.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. DO NOT INDUCE VOMITING.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Section III - Composition/information on ingredients

CAS/EINECS #	Ingredient Name	wt%
25085-99-8	2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	60-90
68609-97-2	Alkyl C12-C14 Glycidyl Ether	6-20
68953-36-6	Polyamido Amine	10-30

Section IV - First Aid Measures

After Inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

After Skin Contact:

Immediately wash with soap and water and rinse thoroughly. If skin irritation continues, consult a doctor.

After Eye Contact:

Rinse/Flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lenses if able to do so. Seek medical attention if irritation persists or if concerned.

After Swallowing:

Do not induce vomiting. Get medical advice/attention if you feel unwell.

Section V - Firefighting Measures

Extinguishing Media: Water (fog only), Dry extinguishing powder, Foam

Special Hazards arising from the substance or mixture: Thermal decomposition can lead to release of irritating gases or vapors.

Protective Equipment:

Refer to Section 8.

Wear protective eye wear, gloves and clothing.

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Additional Information:

Carbon monoxide and carbon dioxide may form upon combustion.

Shut off sources of ignition.

Section VI -Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective eye wear, gloves and clothing.

Ensure air handling systems are operational.

Environmental precautions:

Should not be released into the environment.

Prevent uncured material from reaching drains, sewers or waterway.

Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-bonding material (sand, diatomaceous earth, acid binders, universal binders.)

Dispose of contents/container in accordance with local regulations.

Section VII - Handling and Storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Store away from foodstuffs.

Store in a cool, well ventilated area.

Store away from oxidizing agents.

Do not store together with acids.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection:

When necessary, use NIOSH-approved breathing equipment.

Protection of Skin:

Select glove material based on rates of diffusion and degradation.

Select glove material impermeable and resistant to the substance.

Eye Protection:

Safety goggles or glasses, or appropriate eye protection.

General Hygienic Measures:

Wash contaminated clothing before reusing.

Perform routine housekeeping.

Avoid contact with skin, eyes and clothing.

IX - Physical and Chemical Properties

Appearance: Clear to colored liquid
Odor: Characteristic
Odor Threshold: Not Determined
Boiling Point: 428°F
Solubilities: Not miscible or difficult to mix
pH Value: Not determined

X - Stability and Reactivity

Reactivity: None
Chemical stability: This product is stable.
Possibility hazardous reactions:
Reacts with Amines.
Exothermic polymerization.
Reacts with catalysts, oxidizing agents and strong alkali.
Reacts with peroxides and other radical forming substances.
Conditions to avoid:
Store away from oxidizing agents.
Incompatible material: None
Hazardous decomposition products:
Carbon monoxide and carbon dioxide.

XI - Ecological Information

Acute Toxicity:

Oral: 1-chloro-2,3-epoxypropane: LD50 Rat 90 mg/kg
Inhalation: 1-chloro-2,3-epoxypropane: LD50 Rat 8h 250 ppm
Skin corrosion: 1-chloro-2,3-epoxypropane: Rabbit: open irritation test -24hr
Serious Eye damage/irritation: 1-chloro-2,3-epoxypropane: Rabbit; eye severe irritation
Respiratory or skin sensitization: 1-chloro-2,3-epoxypropane: May cause sensitization by skin contact.

XII - Ecological Information

Toxicity:

1-chloro-2,3-epoxypropane: Fish, LC50 - Pimephales promelas (fathead minnow) - 10.6 mg/l - 96 h.
1-chloro-2,3-epoxypropane: Aquatic invertebrates, LC50 - Daphnia magna (water flea) - 21 mg/l - 48 h.

Persistence and degradability:

This product is not easily, but potentially degradable.

Bioaccumulative potential:

Due to the distribution coefficient n-octanol/water an accumulation in organisms is possible.

Mobility in soil: No additional information.

XIII - Disposal Considerations

Waste treatment methods: Consult local, regional and national authorities for proper disposal

XIV - Transport Information

Land Transport: USDOT not classified as a dangerous good under transport regulations.

XV- Regulatory Information

Registration Status: TSCA, US Released Listed
OSHA Hazard Categories - Not hazardous
SARA Hazard Categories - Not hazardous
CA Prop 65: No hazardous chemicals

XVI- Other Information

HMIS rating: Health: 0 Flammability: 0 Physical Hazard: 1