



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Material/Trade Name	Plus 5 Epoxy
Material Type	Epoxy Based
Company	Republic Chemical Industries, Inc.
Address	731 Aurora Boulevard, Quezon City, 1112 Philippines
Telephone	+63 2 721 5781 to 86
Fax	+63 2 727 5095
Website	www.repchem.com

2. COMPOSITION/INFORMATION INGREDIENTS

Chemical Identity	CAS No.	%
Liquid epoxy resin based on Epichlorohydrin and Bisphenol A	25085-99-8	50
Mercaptan-terminated polymer	33007-83-9	45
2,4,6 Tri (Dimethylaminomethyl) Phenol	907-2-2	5

3. HAZARDS IDENTIFICATION

Inhalation:

May be harmful if inhaled in large amounts or for prolonged periods. Can cause irritation of respiratory tract. Overexposure to fumes or vapor may cause delayed lung damage and chemical pneumonia.

Skin Contact::

May cause severe irritation or burns; may be corrosive on prolonged contact.

Skin Absorption:

Slightly toxic. May cause skin irritation on prolonged or repeated exposure.

Eye contact:

Can be corrosive to eye tissue leading to permanent damage and even blindness.

Ingestion:

May be harmful. May cause fatigue, muscular weakness, labored breathing and gastrointestinal irritation.

Chronic Effects:

Component B may cause dermatitis, lung injury or chemical pneumonia. May aggravate existing skin, eye or lung conditions.

4. FIRST AID MEASURES**Eye or Skin contact:**

Flush thoroughly with plenty of water.

Inhalation:

Move to fresh air and if there are adverse reactions, call a physician.

Ingestion:

Do not induce vomiting, immediately drink a large quantity of milk or water and call a physician.

5. FIRE FIGHTING MEASURES**Extinguishing Media:**

Component A – water fog or fine spray, foam, carbon dioxide, dry Chemical, alcohol resistant foam.

Component B – water spray

Unsuitable Extinguisher:

Component A – direct water stream

Hazardous decomposition:

Carbon Dioxide, carbon monoxide, and oxides of nitrogen

Special Procedures:

Wear full protective equipment including self-contained breathing Apparatus

6. ACCIDENTAL RELEASE MEASURES**Action to take for spills/ leaks:**

Soak up in absorbent material such as sand and collect in suitable container.

Flush area with plenty of water.

Wear adequate personal protective clothing and equipment.

Keep out of irrigation ditches, sewers and water supplies.

Disposal Method:

Do not dump into any sewers, on the ground or into any body of water.

Dispose in an approved chemical waste landfill.

Disposable method must be in compliance with all Federal, State/Provincial and local laws and regulations.

7. HANDLING AND STORAGE**Handling:**

Avoid use of electric band heaters. Application of direct flame to a container of Component A can also cause explosion and/or fire.

Storage:

Recommended pumping and storage temperature is 60°C (140°F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation requirement: Local exhaust

Eye / face protection: Use safety glasses

Skin protection: Use long sleeved- protective clothing, face shield, gloves, boots. Remove contaminated clothing immediately, wash skin with soap and water, and launder clothing before use.

Respiratory protection: Respirator with organic vapor cartridge.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Component A – white, hazy
Component B – very light yellow

Odor: Component A – faint epoxy odor
Component B – mercaptan odor

Boiling Point: Component A – 198°C
Component B – 184°C

Flash Point: Component A – 280°C
Component B – 180°C

10. STABILITY AND REACTIVITY

Stable under recommended storage condition. See storage, section 7.
Potentially violent decomposition can occur above 350°C (662°F).
Generation of gas during decomposition can cause pressure in closed systems.
Avoid contact with oxidizing materials, acids and bases, and amines.

11. TOXICOLOGICAL INFORMATION

Repeated skin contact may possibly cause dermatitis. May be harmful or cause irritation of respiratory tract if inhaled in large amount or for prolonged periods. Overexposure to fumes and vapor may cause lung damage and chemical pneumonia.

12. ECOLOGICAL CONSIDERATION

Component A – Bio concentration potential is moderate. Potential for mobility in soil is low.
Moderately toxic to aquatic organisms on an acute basis.

Component B – not determined

13. DISPOSAL CONSIDERATIONS

Do not dump into any sewers, on the ground or into any body of water.
Dispose in an approved chemical waste landfill.
Disposable method must be in compliance with all Federal,

State/Provincial and local laws and regulations.
14. TRANSPORT INFORMATION
Not considered hazardous for the purpose of transportation.
15. REGULATORY INFORMATION
SARA 313 information: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.
16. OTHER INFORMATION
None