

VIA CHEM VIA BOND

MSDS PART 1

EPOXY GLUE (RESIN)

Products Name: SYQS, SYSS,S YEG SYEM,90-SEC,M INI-QS, MINI-SS, EP-2X6005E, P-2X6030

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Epoxy Glue
Item No.: NPEL-128
Product Type: Epoxy Resin
Company: VIA CHEM
TEL: 1-866-349-3212
FAX : 514 332-0773

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
-Epoxy resin	25068-38-6	>99.9%
-Ingredients	Bisphenol-A epoxy resin (number average molecular weight <700)	
-Hazard Symbols	Xi	
-R-phases	R36/38-R43	

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. May cause allergic skin reaction.
Primary Routes of Entry: Eyes: May cause eye irritation.
Skin: Allergic skin reaction. Itching, moderate skin irritation and Redness.

4. FIRST AID MEASURES

Ingestion: Keep individual calm. DO NOT induce vomiting. Get medical attention immediately.
Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin Contact: Immediately flush skin with plenty of water (using soap, if available) for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If irritation persists, get medical attention.
Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Recommended Extinguishing Agents: Water fog, foam, dry chemical, water spraying jet or carbon dioxide.
Special Firefighting Procedures: Firefighters should wear self contained breathing apparatus. Wear protective equipments.

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Prevent further spillage if safe. Do not allow product to enter drains. Do not flush into surface water. .

Clean Up Methods: Absorb material. Clean area thoroughly with detergent. Transfer to suitable, labeled container for disposal.

Personal Precaution: Wear suitable protective equipment. Ensure adequate ventilation of the working area. Keep personnel away from spill.

7. HANDLING AND STORAGE

Safe Storage: Keep containers tightly closed and sealed until ready to use. Store in a cool, dry place.

Handling: Keep away from heat, sparks and flame. Avoid contact with eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: In case of splash, wear safety goggles. Avoid contact with eyes.

Skin Protection: Use chemical resistant, impermeable clothing including gloves.

Respiratory Protection: Not normally required. Suitable breathing mask when there is inadequate ventilation.

Control Parameters: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear viscous liquid

Odor: Characteristic.

Boiling Point: >150 Degrees C.

PH: Does not apply

Solubility in Water: (20C) Insoluble.

Density: (20C) 1.16g/cm³.

Vapor Density: Not available.

Viscosity: (25C) 12,000 ~ 15,000cps.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Store at temperature above 140C.

Materials to Avoid: Strong acid, strong oxidizer and amines.

Hazardous Decomposition Products : Burning produces irritating, toxic and obnoxious fumes. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Ingestion: Acute oral toxicity: LD50 10,000~11,400mg/kg body weight.

Sensitization: No sensitization effects reported.

Corrosively: May cause irritation to eye, skin and mucous membranes.

Mutagenic effects: No mutagenic effects reported.

Repeated or Prolonged Exposure: May cause allergic reactions in susceptible people.

Reproductive toxicity: No teratogenic effects reported.

Carcinogenic effects: No Carcinogenic effects reported.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data is available on this product.

Biological Degradability: Not readily biodegradable.

Bioaccumulation: No data available.

13. DISPOSAL INFORMATION

General Information: Dispose of as special waste in compliance with local and national regulations...

Disposal Method: Dispose of in compliance with all local and national regulations.

Disposal of packing: After final product withdraws, all residues must be removed from containers. Empty container can be sent to landfill after cleaning, if in compliance with local and national regulations.

14. TRANSPORT INFORMATION

ARD/RID

UN	3082	Packing Group III
Class	9	Hazard ID 90
Proper shipping environmentally		
Name	Hazardous Substance, Liquid, N.O.S.	

IMDG

UN	3082	Packing Group III
Class	9	Marine Pollutant
Ems Code	F-A-S-F	

IATA

UN	3082	Packing Group III
Class	9	Subsidiary Risk -
Packing Instruction (Cargo)	914	Maximum quantity 450 L
Packing Instruction (Passenger)	914	Maximum quantity 450 L

15. REGULATION INFORMATION

Symbol Xi – Irritant; N – Dangerous for the environment.



Risk Phrases: R36/38 - Irritating to eye and skin.
R43 - May cause sensitization by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

Safety Phrases: S24 - Avoid contact with skin.
S29 - Do not empty into drains.
S37 – Wear suitable gloves.

16. OTHER INFORMATION

Further information: The information supplied in this Safety Data Sheet is designed only as guidance. For the safe use, storage and handling of the product. This information is correct. To the best of our knowledge and belief at the date of publication however no guarantee is made to its

accuracy. This information relates only to the specific Material designated and may not be valid for such material used in combination any other materials or in any other process.

VIA CHEM VIA BOND

MSDS

EPOXY GLUE (HARDENER) PART 2

Products Name: SYQS, SYSS,S YEG SYEM,90-SEC,M INI-QS, MINI-SS, EP-2X6005E, P-2X6030

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Epoxy
Item No.: HARDENER Part of Kit: 3-800
Product Type: Epoxy Hardener
Company: VIA CHEM
TEL: 1-866-349-3212
FAX : 514 332-0773

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Mercaptan Terminated Polymer	101359-87-9	80 - 90%
2,4,6- Tris (dimethylaminomethyl) phenol	90-72-2	1 – 10%

3. HAZARDS IDENTIFICATION

Main Hazards: Low hazard for usual industrial or commercial handling.
Irritating to skin. Harmful to aquatic organisms, may cause long term adverse effect in aquatic environment.

4. FIRST AID MEASURES

Ingestion: Keep individual calm. Ingestion causes burns to the respiratory tract. Rinse mouth thoroughly... Get medical attention immediately if the irritation or symptoms persist...

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin Contact: Flush skin with plenty of water (using soap, if available) for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Recommended Extinguishing Agents: Water fog, foam, dry chemical, water spraying jet or carbon dioxide. Alcohol resistant foam.

Special Firefighting Procedures: Firefighters should wear self contained breathing apparatus. Wear protective equipments. In case of fire or explosion do not breathe fume. Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions:	Prevent further spillage if safe. Do not allow product to enter drains. Do not flush into surface water. .
Clean Up Methods:	Absorb material. Clean area thoroughly with detergent. Transfer to suitable, labeled container for disposal.
Personal Precaution:	Wear suitable protective equipment. Ensure adequate ventilation of the working area. Keep personnel away from spill.

7. **HANDLING AND STORAGE**

Safe Storage:	Keep containers tightly closed and sealed until ready to use. Store in a cool, dry place. Do not store near epoxy resins.
Handling:	Keep away from heat, sparks and flame. Avoid contact with eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.
Suitable Packing:	Suitable packing.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Eye Protection:	Incase of splash, wear safety goggles. Avoid contact with eyes.
Skin Protection:	No special protection needed under normal conditions of use.
Respiratory Protection:	Not normally required. Suitable breathing mask when there inadequate ventilation. NIOSH/MSHA approved respirator if necessary.
Engineer Measures:	Ensure adequate ventilation of the working area.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Liquid.
Odor:	Characteristic.
PH:	3-5
Color:	Clear, yellowish and black.
Density:	1.13 – 1.17g/cm ³ .
Solubility in Water:	Slight (0.1 to 1%)
Analysis of Volatile Matter:	0.3%

10. **STABILITY AND REACTIVITY**

Stability:	Stable under normal conditions.
Decomposition Advise:	No decomposition if used according specifications.
Materials to Avoid:	Oxidizers and strong acids.
Hazardous polymerization:	Will not occur.

11. **TOXICOLOGICAL INFORMATION**

Sensitization:	No sensitization effects reported.
Acute Oral Toxicity:	LD50>2,000mg/kg body weight (Experiment).
Skin Irritation:	Slightly irritation does not require labeling. Method: Draize test.
Eye Irritation:	Slightly irritation does not require labeling. Method: Draize test.

12. **ECOLOGICAL INFORMATION**

Aquatic Plant/ algae toxicity:	EC > 100mg product/l. Method: OECD201/ DIN 38412, part 9.
Ultimate Biodegradation:	The product is poorly biodegradable.

Method: OECD 301 B.

Ecotoxicity: May cause long term adverse effect in the aquatic environment.

13. DISPOSAL INFORMATION

General Information: Dispose of as special waste in compliance with local and national regulations...

Disposal Method: Dispose of in compliance with all local and national regulations.

Water Disposal: Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

INTERNATIONAL AIR TRANSPORTATION ICAO/IATA

Proper shipping name	Aviation regulated liquid N.O.S. (Polymercaptan).
UN	3334
Class	9
Packing Group	None.
RQ	None.

WATER TRANSPORTATION

IMO/IMDG

Not dangerous goods,

15. REGULATION INFORMATION

Symbols: Xi – Irritant.



Risk Phrases: R38 – Irritating to skin.

R52/53 - Harmful to aquatic organisms, may cause long term adverse effect in aquatic environment.

R22 – Harmful if swallowed.

TSCA Inventory Status: This product and/ or of its components are either included on or exempt from the TSCA Inventory of Chemical Substance.

SARA 311/312 Hazard Categories: None.

TSCA 12 (b) Components: None.

SARA 313 Toxics Chemicals: None.

SARA 302 Extremely Hazardous

Substances: None.

CERCLA Hazardous Chemicals: None.

16. OTHER INFORMATION

NFPA Rating (US)	Value
Health	1
Fire	1
Reactivity	0

HMIS Rating (US)	Value
Health	1
Flammability	1
Reactivity	0

Further information:

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