

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT / COMPANY INFORMATION

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1.2 Structural Epoxy Flex Part A (Epoxy resin preparation)

2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Ingredients

Component	CAS Number	Percent
1. Liquid Bisphenol A Epoxy Resin	25068-38-6	50-60%
2. Modified Epoxy Resin	17557-23-2	10-25%
3. Modified Epoxy Resin	68909-14-8	10-25%
4. Gamma-Glycidoxypropyltrimethoxysilane	2530-83-8	0.1-2%
5. Dichloro Dimethyl Silane	68611-44-9	2-5%

2.2 Acute Toxicity Data

Acute Oral LD50	Acute Dermal LD50	Acute Inhalation LC50
1. 11.4gm/kg/rat	>20ml/kg/rabbit	Not Available
2. 4500mg/kg/rat	Not Available	Not Available
3. 4500mg/kg/rat	Not Available	Not Available
4. >24000mg/kg/rat	>4000mg/kg/rabbit	No deaths/rat (8 hour exposure)
5. >5000mg/kg/rat	Not Available	10mg/m3 (ACGIH)

3. HAZARDS IDENTIFICATION

- 3.1 EYE CONTACT-Product may be severely irritating to the eyes.
- 3.2 SKIN CONTACT- Product may be moderately irritating to the skin. May cause skin sensitization.
- 3.3 INHALATION- Not expected to be a relevant route of exposure, however, under conditions where exposure to vapors or mists are possible, could cause respiratory tract irritation.
- 3.4 INGESTION- Product may be moderately toxic.
- 3.5 AGGRAVATED MEDICAL CONDITIONS- Pre-existing eye, skin and respiratory disorders may be aggravated by this product.

4. FIRST AID MEASURES

- 4.1 EYE CONTACT- Immediately flush eyes with large amounts of water. Seek medical attention.
- 4.2 SKIN CONTACT- Wash immediately with mild soap and water. Product is only mildly skin sensitive to selected individuals. Seek medical attention if rash occurs. Use barrier cream or gloves if allergic reaction occurs.
- 4.3 INHALATION- If signs or symptoms occur, remove person to fresh air. If signs or symptoms continue, seek medical attention.
- 4.4 INGESTION- Do not induce vomiting. Drink two glasses of water. Seek medical immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

5. FIRE FIGHTING MEASURES

- 5.1 EXTINGUISHING MEDIA- Carbon dioxide, foam, dry chemical, water fog.
- 5.2 MEDIA TO AVOID- Direct water stream (may spread fire)
- 5.3 FIRE FIGHTING EQUIPMENT- Full protective equipment including self contained breathing apparatus should be used. If protective equipment is not available or not used, fire fight from a protected location or safe distance.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 ACCIDENTAL RELEASE- Wear protective clothing. Take up with absorbent material such as sand or sawdust. Place in closable containers. Flush contaminated area with water.

7. HANDLING AND STORAGE

- 7.1 HANDLING- Avoid contact with eyes and skin. Use with good ventilation. Wash thoroughly after handling.
- 7.2 STORAGE- Store in cool, dry well ventilated area. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 RESPIRATORY PROTECTION- Avoid breathing of vapors during cure cycle. Use approved dust mask during sanding, grinding or cutting.
- 8.2 EYE PROTECTION- Avoid eye contact. Safety glasses with side shields.
- 8.3 SKIN PROTECTION- Gloves: Disposable, Nitrile or Latex.
- 8.4 VENTILATION- Use adequate local exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 PHYSICAL STATE- Semi-solid gel/paste
- 9.2 COLOR- Blue
- 9.3 ODOR- Slight
- 9.4 BOILING POINT- >240 C
- 9.5 MELTING POINT- N/A
- 9.6 SOLUBILITY IN WATER- Insoluble
- 9.7 SPECIFIC GRAVITY (WATER=1)- 1.117 +/- 0.050
- 9.10 PERCENT VOLATILE- 0.3 Maximum
- 9.11 VAPOR PRESSURE- N/A
- 9.12 VAPOR DENSITY- < 10mm, 75°F

10. STABILITY AND REACTIVITY

- 10.1 STABILITY- Stable
- 10.2 REACTIVITY- Hazardous Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

- 11.1 ROUTE OF ENTRY- Skin and eye contact. Vapors are unlikely due to physical properties.
- 11.2 EFFECTS OF ACUTE EXPOSURE TO PRODUCT- Not anticipated to cause any significant adverse effects.
- 11.3 EFFECTS OF CHRONIC EXPOSURE TO PRODUCT- Repeated exposure may cause slight skin irritation
- 11.4 EXPOSURE LIMITS- Not established.
- 11.5 CARCINOGENICITY- Not classified as a carcinogen.

11. TOXICOLOGICAL INFORMATION Cont.

11.6 TERATOGENICITY- No data available.

11.7 MUTAGENICITY- No data available.

12. ECOLOGICAL INFORMATION

12.1 No ecological information available.

13. DISPOSAL CONSIDERATIONS

13.1 Comply with all Federal, State and Local Regulations.

14. TRANSPORT INFORMATION

14.1 Canadian TGD Classification- Not Regulated

14.2 U.S. Regulations- Not to have met any SARA Hazard Category

15. REGULATORY INFORMATION

15.1 Ozone-Depleting Chemicals - No regulated ingredients.

15.2 SARA Section 302 Extremely Hazardous Material - No regulated ingredients.

15.3 SARA Section 313 Toxic Chemicals - No regulated ingredients.

15.4 EINECS - All ingredients listed or exempt.

16. OTHER INFORMATION

16.1 European Economic Community (EEC)

EINECS Master Inventory - All ingredients included or exempt.

EEC Symbol - Harmful (XN).

EEC Risk (R) Phrases - Irritating to eyes and skin (R36/38).

EEC Safety Phrases - In case of contact with eyes, rinse with plenty of water and seek medical advice (S26). After contact with skin, wash immediately with plenty of soap and water (S28).

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