



SAFETY DATA SHEET
MODIFIED EPOXY RESIN PR-5C

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: MODIFIED EPOXY RESIN PR-5C

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: CAS: 25068-38-6. EPOXY RESIN - R36/38-43-51/53. <70%
CAS: 28064-14-4. BISPHENOL F. EPICHLOROHYDRIN RESIN - R36/38-43-51/53.
<30%
CAS: 68081-84-5 .ALIPHATIC GLYCIDYLETHER - Xi,N R36/38-43-51/53. <15%

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards: Not classified as flammable but will burn.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: DO NOT DELAY Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: DO NOT DELAY Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: No specific measures.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Foam, water spray or fog. Unsuitable extinguishing media is water in a jet. Use water

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spray to cool containers.

Exposure hazards: Not classified as flammable but will burn. Carbon monoxide may evolve if incomplete combustion occurs.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

Environmental precautions: Contain the spillage using bunding. Do not discharge into drains or rivers. Do not contaminate surface water - avoid subsoil penetration. If the material enters drains it should be pumped out into an open vessel, emergency services should be called to assist in this operation.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste. Put leaking containers in a labelled drum or overdrum. Refer to section 13 of SDS for suitable method of disposal.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Store at ambient temperature. Avoid incompatible materials and conditions - see section 10 of SDS. Palletised loads should be stacked to a maximum of 4 high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Not required under normal conditions in a well-ventilated workplace. If product is applied by spraying, wear self-contained breathing apparatus. In poorly ventilated areas use an approved organic vapour cartridge mask.

Hand protection: Protective gloves. Nitrile gloves. Butyl gloves.

Eye protection: Goggles giving complete protection to eyes and eyewash bottle with clean water.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Pale yellow

Odour: Perceptible odour

Viscosity: 0,7 - 1,1 Pa.s : 25°C ASTM D-445

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: 11.6 mg/l @ 20°C

Boiling point/range°C: 150°C

Flash point°C: >150

[cont...]

Part.coeff. n-octanol/water: Not determined
Autoflammability°C: ca: 400°C
Vapour pressure: <0.1 mbar at 20°C
Relative density: 1.12kg/m3 at 25°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Caustic soda can induce vigorous polymerisation at temperatures around 200°C
Materials to avoid: Strong oxidising agents.
Haz. decomp. products: Hazardous decomposition products are not expected to form during normal storage.
Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperature and above Polymerises in contact with caustic soda. Reacts exothermically with bases (eg: caustic soda), ammonia, primary and secondary amines, alcohols and acids.

11. TOXICOLOGICAL INFORMATION

Routes of exposure Eye & Skin irritation : Expected to be slightly irritant. Expected to be a skin sensitiser.
Not expected to be a mutagenic hazard

12. ECOLOGICAL INFORMATION

Mobility: Sinks in water.
Persistence and degradability: Not biodegradable.
Bioaccumulative potential: Bioaccumulation potential.
Other adverse effects: Harmful to aquatic organisms. COD:- Not determined

13. DISPOSAL CONSIDERATIONS

Waste disposal: Recover or recycle if possible. Must be incinerated, when in compliance with local regulations. Arrange for collection by specialised disposal company.
Disposal of packaging Where practical, containers and packaging should be recycled by a licensed contractor. Arrange for collection by specialised disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 3082
ADR Class: 9
Hazard ID no: 90
Labelling: 9
Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IMDG / IMO

UN no: 3082
Packing group: III
EmS: -

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MODIFIED EPOXY RESIN PR-5C**Marine pollutant:** .YES**Labelling:** 9**IATA / ICAO****UN no:** 3082**Class:** 9**Packing group:** III**Packing instructions:** 914**Quantity** NO LIMIT**Labelling:** 9**15. REGULATORY INFORMATION****Hazard symbols:** Irritant.

Dangerous for the environment.

**Risk phrases:** R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S24: Avoid contact with skin.

S29: Do not empty into drains.

S37: Wear suitable gloves.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**16. ADDITIONAL INFORMATION****Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.