

SAFETY DATA SHEET

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

Product name: **1-MIN EPOXY GEL RESIN**
 Supplier: ITW Devcon
 Shannon Industrial Estate Brunel Close, Park Farm Ind. Est.,
 Co. Clare, Ireland. Wellingborough, Northants NN8 6QX
 Emergency telephone number: 353(61)471299 01933 675299
 Fax No: 353(61)471285 01933 670800

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}	25068-38-6	603-074-00-8	Xi; R36/38 R43 N; R51, R53	60-80

3. HAZARDS IDENTIFICATION

Most important hazards: Moderate skin irritation. N - Dangerous for the environment.
 Specific hazards Irritating to eyes and skin. May cause sensitization by skin contact.

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes.
 Inhalation: Move to fresh air. Consult a physician after significant exposure.
 Skin contact: Remove immediately adhering matter, Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
 Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Ingestion: Rinse mouth, Do not induce vomiting, Call a physician immediately. If a person vomits when lying on his back, turn over on his side.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: dry powder, foam, Carbon Dioxide (CO₂)
 Extinguishing media which must not be used for safety reasons:
 High volume water jet.
 Specific hazards: Burning produces irritant fumes.
 Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus, protective suit.
 Specific methods: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation.
 Environmental precautions: Do not contaminate water. Avoid subsoil penetration.
 Methods for cleaning up: Dam up, Scrape up, Soak up with inert absorbent material, Transfer to covered steel drums.

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Keep away from heat and sources of ignition. General industrial hygiene practice.
 Storage: Keep containers tightly closed in a cool, well-ventilated place.

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PRINT DATE: 19/03/2003

REF: X0127

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits:
BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} no data available

Engineering measures to
 reduce exposure

- Respiratory protection: No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection: Solvent-resistant gloves (butylrubber)
- Eye protection: safety glasses with side-shields, goggles.
- Skin and body protection: Wear as appropriate.

Hygiene measures: Wash hands before breaks and immediately after handling the product, Keep away from food, drink and animal feeding stuffs. Do not smoke. General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: **liquid.** Colour: **light yellow.** Odour: **mild, epoxy.**

g/l H₂O

Boiling point/range: > 204 °C
 Flash point: >93.3 °C
 Melting point/range: n/d °C
 Autoignition temperature: >290 °C
 Flammability (solid, gas): Not applicable
 Oxidizing properties: Not applicable.
 Vapour pressure: 0.01
 Relative density: - lower 1 (25 °C)
 - upper 1.8
 VOC: 1160 g/l
 Water solubility negligible.
 Partition coefficient (n-octanol/water) >2.5.

10. STABILITY AND REACTIVITY

Stability: Stable.
 Conditions to avoid: Prolonged heating at temperatures above 50°C.
 Materials to avoid: strong acids and oxidizing agents, amines.
 Hazardous decomposition products: No decomposition if stored normally.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Epoxy constituents: LD50/oral/rat = 30g/Kg
 LD50/dermal/rabbit = > 20 ml/Kg
 LC50/inhalation/4h/rat = fatality = 0

Local effects: Moderate skin irritation.

Sensitization: May cause sensitization by skin contact.

Long term toxicity: Components of the product may be absorbed into the body by inhalation and ingestion.. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

12. ECOLOGICAL INFORMATION

Mobility: Do not contaminate water. Do not let product enter drains.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Solidify unexposed surplus and dispose of together with processed material as cured plastic waste - In accordance with local and national regulations.

Contaminated packaging: In accordance with local and national regulations.

European waste Catalogue No: 08 04 99

14. TRANSPORT INFORMATION

Proper shipping name: Not classified as dangerous in the meaning of transport regulations: UN, ADR/RID, IMO & IATA/ICAO.

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

water contaminating: 2

- Symbol(s):



Xi



N -
Dangerous
for the
environment

R -phrase(s): R43 - May cause sensitization by skin contact. R36 - Irritating to eyes. R38 - Irritating to skin. R51 - Toxic to aquatic organisms. R53 - May cause long-term adverse effects in the aquatic environment.

S -phrase(s): S28 - After contact with skin, wash immediately with plenty of water. S37/39 - Wear suitable gloves and eye/face protection.

VBF: None

16. OTHER INFORMATION

Recommended use: Adhesives.

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components.

Revision date: 12/02/2003

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication