

SAFETY DATA SHEET

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

Product name: **5-MINUTE EPOXY 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.

Product name: **5-MINUTE EPOXY RESIN**

PRINT DATE: 19/03/2003

REF: X0039

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} no data availableEngineering 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: | slight. |
| pH: | (50 g/l H ₂ O) | 7 | (20 °C) | | |
| Boiling point/range: | | > 200 | °C | | |
| Flash point: | | > 150 | °C | | |
| Melting point/range: | | n/d | °C | | |
| Autoignition temperature: | | >290 | °C | | |
| Flammability (solid, gas): | | Not applicable | | | |
| Oxidizing properties: | | Not applicable. | | | |
| Vapour pressure: | | 0.01 | mm Hg | (20 °C) | |
| Relative density: | | - lower | 1.147 | (25 °C) | |
| 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: 11/04/2002.

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

SAFETY DATA SHEET

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

Product name: **5-MINUTE EPOXY HARDENER**

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 | Formulated product | | | | |
|---------------------------------------|--------------------|--------------|--------------------|----------|--|
| Chemical Name | CAS-No | EEC-No | Class | Weight % | |
| 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL | 90-72-2 | 603-069-00-0 | Xn; R22 Xi; R36/38 | 1-15 | |

3. HAZARDS IDENTIFICATION

Most important hazards: Xn - Harmful.

Specific hazards Also harmful by inhalation, in contact with skin and if swallowed.

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance.

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: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Do not induce vomiting. Drink plenty of water, Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, dry chemical, foam, Carbon Dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards: In case of fire and/or explosion do not breathe fumes.

Special protective equipment for firefighters: Cool containers / tanks with water spray. In case of fire, wear a self contained breathing apparatus.

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

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Dam up, Scrape up, Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Avoid contact with skin and eyes.

Storage: Store at room temperature in the original container. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits:

Product name: **5-MINUTE EPOXY
HARDENER**

PRINT DATE: 19/03/2003

REF: X0040

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

no data available

Engineering measures to
reduce exposure

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection: protective gloves.
- Eye protection: safety glasses with side-shields, goggles.
- Skin and body protection: lightweight protective clothing, Wear as appropriate.

Hygiene measures: When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | | | |
|----------------------------|----------------------------|-----------------------|--------|--------|-------------|
| Form: | viscous liquid. | Colour: | amber. | Odour: | amine-like. |
| pH: | (50 g/l H ₂ O) | 9.5 | | | |
| Flash point: | | >149 °C | | | |
| Flammability (solid, gas): | | Not applicable. | | | |
| Explosive properties: | | Not applicable. | | | |
| Vapour pressure: | | <0.01 mm Hg (20 °C) | | | |
| Relative density: | | - lower 0.97 (20 °C) | | | |
| | | - upper 1.13 | | | |
| Water solubility | | insoluble (25 °C) | | | |
| Viscosity: | | (25 °C) 10,000 | | | |

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Avoid temperatures above 45°C.

Materials to avoid: strong oxidizing agents.

Hazardous decomposition products: carbon oxides, nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD₅₀/oral/rat = 1653 mg/kg (DMP)
LD₅₀/dermal/rabbit = 1350 mg/kg (DMP)
LC₅₀/inhalation/8h/rat = >0.5 mg/L (DMP)

Sensitization: May cause sensitization by inhalation and skin contact.

Long term toxicity: Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

12. ECOLOGICAL INFORMATION

Mobility: 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. According to (national equivalent of EC-Dir. 78/319; disposal of toxic and hazardous waste).

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: 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

water contaminating - 2

- Symbol(s):



Xn - Harmful.

R -phrase(s): R20/21/22 - Also harmful by inhalation, in contact with skin and if swallowed. R34 - Causes burns

S -phrase(s): S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of water
S36/37/39 - Wear suitable protective clothing, 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: 01/04/2001.

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