

## 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 %
<b>BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}</b>	<b>25068-38-6</b>	<b>603-074-00-8</b>	<b>Xi; R36/38 R43 N; R51, R53</b>	<b>60-80</b>

## 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 (CO<sub>2</sub>)

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.

## 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:	slight.
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pH:	( 50 g/l H <sub>2</sub> O)	7	( 20 °C)
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Boiling point/range:	> 200	°C
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Flash point:	> 150	°C
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Melting point/range:	n/d	°C
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Autoignition temperature:	>290	°C
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Flammability (solid, gas):	Not applicable
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Oxidizing properties:	Not applicable.
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Vapour pressure:	0.01	mm Hg	( 20 °C)
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Relative density:	- lower	1.147	( 25 °C)
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VOC:	1160	g/l
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Water solubility	negligible.
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Partition coefficient (n-octanol/water)	> 2.5
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## 10. STABILITY AND REACTIVITY

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

Acute toxicity:	Epoxy constituents: LD50/oral/rat = 30g/Kg LD50/dermal/rabbit = > 20 ml/Kg LC50/inhalation/4h/rat = fatality = 0
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Local effects:	Moderate skin irritation.
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Sensitization:	May cause sensitization by skin contact.
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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.
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## 12. ECOLOGICAL INFORMATION

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

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**14. TRANSPORT INFORMATION**

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

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**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

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**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.

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

## 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 (CO<sub>2</sub>).  
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:

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 <sub>2</sub> 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<sub>x</sub>).

## 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

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

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#### 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

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#### 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.

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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