



**SAFETY DATA SHEET**  
5 Minute Epoxy I-FR Resin

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

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PRODUCT NAME                            5 Minute Epoxy I-FR Resin

SUPPLIER                                    ITW DEVCON  
BAY 150  
SHANNON INDUSTRIAL ESTATE  
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**2 HAZARDS IDENTIFICATION**

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Irritating to eyes and skin. May cause sensitisation by skin contact.

CLASSIFICATION                        Xi;R36/38, R43.

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**3 COMPOSITION/INFORMATION ON INGREDIENTS**

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Name	EC No.	CAS-No.	Content	Classification
Reaction product of Epichlorohydrin & Bisphenol A		25085-99-8	60-100%	Xi;R36,R38, R43.
TITANIUM DIOXIDE	236-675-5	13463-67-7	1-5%	-

The Full Text for all R-Phrases are Displayed in Section 16

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**4 FIRST-AID MEASURES**

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**GENERAL INFORMATION**

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

**INHALATION**

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

**INGESTION**

DO NOT induce vomiting. Get medical attention immediately. Never give liquid to an unconscious person.

**SKIN CONTACT**

Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

**EYE CONTACT**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

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**5 FIRE-FIGHTING MEASURES**

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**EXTINGUISHING MEDIA**

Extinguish with carbon dioxide or dry powder.

**SPECIAL FIRE FIGHTING PROCEDURES**

Use water SPRAY only to cool containers! Do not put water on leaked material.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Heat may cause the containers to explode.

**PROTECTIVE MEASURES IN FIRE**

Use air-supplied respirator during fire fighting. Wear full protective clothing.

5 Minute Epoxy I-FR Resin

**6 ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS

If leakage cannot be stopped, evacuate area. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wear necessary protective equipment. Avoid contact with skin or inhalation of spillage, dust or vapour.

**7 HANDLING AND STORAGE**

USAGE PRECAUTIONS

Avoid inhalation of vapours.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
TITANIUM DIOXIDE		10 mg/m3 total dust		

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Respiratory protection must be used if air contamination exceeds acceptable level. Chemical respirator with organic vapour cartridge and full facepiece.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

OTHER PROTECTION

Provide eyewash, quick drench.

HYGIENE MEASURES

Observe good industrial hygiene practices.

SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Viscous liquid		
RELATIVE DENSITY	1.28	VISCOSITY	54000 cps
FLASH POINT (°C)	204.4 PM Closed cup.		

**10 STABILITY AND REACTIVITY**

## 5 Minute Epoxy I-FR Resin

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Avoid exposing to heat and contact with strong oxidising substances.

### HAZARDOUS POLYMERISATION

Not relevant.

### MATERIALS TO AVOID

Strong acids. Bases, alkalies (organic). Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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## 11 TOXICOLOGICAL INFORMATION

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### GENERAL INFORMATION

The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals.

### INHALATION

May cause irritation to the respiratory system. Vapours may irritate throat and respiratory system and cause headache, dizziness and dulthess.

### INGESTION

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

### SKIN CONTACT

Preparation contains an epoxy resin, which may cause sensitisation and development of allergy. Prolonged contact may cause redness and irritation.

### EYE CONTACT

Extreme irritation of eyes and mucous membranes, including burning and tearing. Risk of corneal damage.

### ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

### TARGET ORGANS

Eyes. Gastro-intestinal tract. Skin. Respiratory system, lungs.

### MEDICAL SYMPTOMS

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

### MEDICAL CONSIDERATIONS

Skin disorders and allergies.

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## 12 ECOLOGICAL INFORMATION

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### ECOTOXICITY

There are no data on the ecotoxicity of this product.

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## 13 DISPOSAL CONSIDERATIONS

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### GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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## 14 TRANSPORT INFORMATION

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### GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

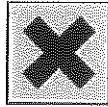
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## 15 REGULATORY INFORMATION

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### LABELLING

5 Minute Epoxy I-FR Resin



Irritant

CONTAINS

Reaction product of Epichlorohydrin & Bisphenol A

RISK PHRASES

R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37 Wear suitable gloves.

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16 OTHER INFORMATION

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REVISION DATE 13/04/2010

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

NC Not classified.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R43 May cause sensitisation by skin contact.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



**SAFETY DATA SHEET**  
**5 Minute Epoxy I-FR Hardner**

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

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PRODUCT NAME                            5 Minute Epoxy I-FR Hardner

SUPPLIER                                    ITW DEVCON  
     BAY 150  
     SHANNON INDUSTRIAL ESTATE  
     SHANNON  
     CO CLARE  
     IRELAND  
     T: +353 (0)61471299  
     F: 353(0)61471285

EMERGENCY TELEPHONE                +44 (0)208 762 8322

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**2 HAZARDS IDENTIFICATION**

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Harmful in contact with skin. Causes burns. May cause sensitisation by skin contact.

CLASSIFICATION                            Xn,R21. C;R34. R43.

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**3 COMPOSITION/INFORMATION ON INGREDIENTS**

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Name	EC No.	CAS-No.	Content	Classification
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	202-013-9	90-72-2	1-10%	Xn;R22 Xi;R36/38
POLYMERCAPTAN -POLYAMIDE CURING AGENT			60-100%	Xn;R21. C;R34. R43.

The Full Text for all R-Phrases are Displayed in Section 16

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**4 FIRST-AID MEASURES**

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**GENERAL INFORMATION**

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

**INHALATION**

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

**INGESTION**

DO NOT induce vomiting. Get medical attention immediately.

**SKIN CONTACT**

Remove contaminated clothing and flush with plenty of water until pain disappears. If discomfort persists transport to hospital and bring these instructions.

**EYE CONTACT**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Immediately transport to hospital or eye specialist.

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**5 FIRE-FIGHTING MEASURES**

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**EXTINGUISHING MEDIA**

Extinguish with carbon dioxide or dry powder.

**SPECIAL FIRE FIGHTING PROCEDURES**

Use water SPRAY only to cool containers! Do not put water on leaked material.

**SPECIFIC HAZARDS**

By heating and fire, harmful vapours/gases may be formed.

**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 5 Minute Epoxy I-FR Hardner

**6 ACCIDENTAL RELEASE MEASURES**

## PERSONAL PRECAUTIONS

Warn everybody of potential hazards and evacuate if necessary. Follow precautions for safe handling described in this safety data sheet.

Avoid inhalation of vapours and contact with skin and eyes.

## ENVIRONMENTAL PRECAUTIONS

Do not allow ANY environmental contamination.

## SPILL CLEAN UP METHODS

Ventilate well. Absorb spillage with non-combustible, absorbent material. Collect with absorbent, non-combustible material into suitable containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

**7 HANDLING AND STORAGE**

## USAGE PRECAUTIONS

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

## STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with acids and oxidising substances.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

## PROTECTIVE EQUIPMENT



## PROCESS CONDITIONS

Provide eyewash, quick drench.

## ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

## RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator. Gas mask with organic vapour canister and dust and mist filter.

## HAND PROTECTION

Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

## EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

## HYGIENE MEASURES

Wash hands after handling. Observe good industrial hygiene practices.

## SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Viscous liquid		
ODOUR	No characteristic odour.		
RELATIVE DENSITY	1,24	VISCOSITY	44000 cps
FLASH POINT (°C)	93.3 CC (Closed cup).		

**10 STABILITY AND REACTIVITY**

## STABILITY

Stable under normal temperature conditions and recommended use.

## CONDITIONS TO AVOID

Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.

## HAZARDOUS POLYMERISATION

Unknown.

5 Minute Epoxy I-FR Hardner

MATERIALS TO AVOID

Acids, oxidising, Organic - aromatic, Chemically active metals.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

INHALATION

May cause irritation to the respiratory system. Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

INGESTION

May cause chemical burns in mouth, oesophagus and stomach. May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Harmful in contact with skin. May cause sensitisation by skin contact. Strongly irritating. Prolonged contact may cause burns.

EYE CONTACT

Risk of serious damage to eyes. May cause severe irritation to eyes. Strongly corrosive. Causes severe burns. Immediate first aid is imperative.

HEALTH WARNINGS

This chemical may cause skin/eye irritation and burns (corrosive).

ROUTE OF ENTRY

Inhalation, Ingestion, Skin and/or eye contact.

TARGET ORGANS

Eyes, Gastro-intestinal tract, Respiratory system, Lungs, Skin.

MEDICAL SYMPTOMS

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No data on possible environmental effects have been found.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (POLYMERCAPTAN -POLYAMIDE CURING AGENT)		
UN NO. ROAD	2735	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80	ADR LABEL NO.	8

REVISION DATE: 13/04/2010

### 5 Minute Epoxy I-FR Hardner

HAZCHEM CODE	2X	CEPIC TEC(R) NO.	80GC7-II+III
RID CLASS NO.	8	RID PACK GROUP	III
UN NO. SEA	2735	IMDG CLASS	8
IMDG PACK GR.	III	EMS	F-A, S-B
UN NO. AIR	2735	AIR CLASS	8
AIR PACK GR.	III		

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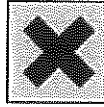
#### 15 REGULATORY INFORMATION

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##### LABELLING



Corrosive



Harmful

##### CONTAINS

POLYMERCAPTAN -POLYAMIDE CURING AGENT

##### RISK PHRASES

R21	Harmful in contact with skin.
R34	Causes burns.
R43	May cause sensitisation by skin contact.

##### SAFETY PHRASES

S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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#### 16 OTHER INFORMATION

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REVISION DATE 13/04/2010  
REV. NO./REPL. SDS GENERATED 1

##### RISK PHRASES IN FULL

R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.

#### DISCLAIMER

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