

## SAFETY DATA SHEET

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 PRINT DATE: 22/10/96  
 REF: X0006

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND THE COMPANY/UNDERTAKING

Product name: **DEVCON ST RESIN**  
 Supplier: ITW DEVCON UK  
 Brunel Close, Park Farm  
 Wellingborough, Northants NN83QX  
 01933 675299  
 01933 675765

Emergency telephone number:  
 Fax no:

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical name	CAS-No	EEC-no	Class	Weight %
Bishphenol A (Epichlorhydrin) [reaction product]		603-074-00-9	Xi; R36/38-43	<20

## 3. HAZARDS IDENTIFICATION

Most important hazards: Mild skin irritation  
 Specific Hazards Irritating to eyes and skin

## 4. FIRST AID MEASURES

General advice: Avoid contact with skin and eyes  
 Inhalation:  
 Skin contact: Wash off immediately with soap and plenty of water  
 Eye contact: Consult a physician. Show this safety data sheet to the doctor in attendance  
 Ingestion: Consult a physician if necessary

## 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 fire-fighters: In the event of fire, wear 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  
 Environmental Precautions: Do not let product enter drains  
 Methods for cleaning up: Soak up with inert absorbent material. Transfer to covered steel drums

Product name: **DEVCON ST RESIN**

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## 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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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name: Bisphenol A Epichlorhydrin [reaction product] National occupational exposure limits:

### Engineering measures:

- Respiratory protection: No personal respiratory protective equipment normally required/
- Hand protection: Rubber or plastic gloves
- Eye Protection: Face shield
- Skin and body protection: Lightweight protective clothing

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Do not smoke. General industrial hygiene practice

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Paste Colour: dark grey Odour: slight

pH (50g/l H<sub>2</sub>O) 7.0

Flash point: >3204°C

Relative density: -lower 2.80 (20°C)

Water solubility insoluble

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## 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid 50°C

Materials to avoid: Strong acids and oxidising agents

Hazardous decomposition products: Carbon monoxide

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## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.

Local effects: Moderate skin irritation

Sensitisation: Epoxy resins with an average molecular weight of less than 700 may cause sensitisation

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Product name: **DEVCON ST RESIN**

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## 12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains  
Other information: Formulated product - not applicable

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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. According to local and national regulations

Contaminated packaging: In accordance with local and national regulations

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## 14. TRANSPORT INFORMATION

General advice: Not classified as dangerous in the meaning of transport regulations

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## 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains: Epoxy constituents. See information supplied by the manufacturer
- Symbol(s):



Xi - Irritant

R-phrases(s): R36/38 - Irritating to eyes and skin. R43 - May cause sensitisation by skin contact

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

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## 16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

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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

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PRINT DATE: 22/10/96  
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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND THE COMPANY/UNDERTAKING

Product name: **DEVCON ST HARDENER**  
Supplier: **ITW DEVCON UK**  
**Brunel Close, Park Farm**  
**Wellingborough, Northants NN86QX**  
Emergency telephone number: **01933 675299**  
Fax no: **01933 675765**

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical name	CAS-No	EEC-no	Class	Weight %
Triethylenetetramine	112-24-3	612-059-00-5	Xn;R21 C; R34 Xi;R43	<35

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## 3. HAZARDS IDENTIFICATION

Most important hazards: **C - Corrosive**  
Specific Hazards **Sensitisation**

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## 4. FIRST AID MEASURES

General advice: **Show this safety data sheet to the doctor in attendance**  
Inhalation: **Move to fresh air. Consult a physician if necessary**  
Skin contact: **Wash off immediately with soap and plenty of water**  
Eye contact: **Wash off immediately with plenty of water for at least 15 minutes**  
Ingestion: **Do not induce vomiting. Obtain medical attention**

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## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: **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**

Special protective equipment for fire-fighters: **In the event of fire, wear self contained breathing apparatus**

Specific methods: **Standard procedure for chemical fires**

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## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: **Use personal protective equipment**

Environmental Precautions: **Do not let product enter drains**

Methods for cleaning up: **Soak up with inert absorbent material. Shovel into suitable container for disposal**

Product name: **DEVCON ST HARDENER**

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## 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

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name: Triethylenetetramine National occupational exposure limits:

Triethylenetetramine

Engineering measures:

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment
- Hand protection: Protective gloves
- Eye Protection: Safety glasses with side shields
- Skin and body protection:

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Formulated product Colour: cream Odour: Amine-like

pH (50g/l H<sub>2</sub>O) 10.5

Boiling point/range: 232 °C

Flash point: >93 °C

Flammability (solid/gas) Not applicable

Relative density: -lower 0.98 (20°C)

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## 10. STABILITY AND REACTIVITY

Stability: Stable

Materials to avoid: Oxidising agents, Nitrous acid and other nitrosating agents

Hazardous decomposition products: Carbon monoxide, Ammonia, nitrogen oxides (NO<sub>x</sub>)

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## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD<sub>50</sub>/oral/rat = 2460mg/kg  
LD<sub>50</sub>/Dermal/rabbit = 820mg/kg

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Product name: **DEVCON ST HARDENER**

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## 12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains  
Other information: Formulated product - not applicable

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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. According to the Environmental Protection (Duty of Care) Regulations 1991

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## 14. TRANSPORT INFORMATION

General advice:	Corrosive solids n.o.s.			
Proper shipping name:	Corrosive solids n.o.s.			
	UN-No	1759		
ADR/RID	Class	8	Item	53(b)
			Hi/UN No	1759
IMO	Class	8	IMDG page	8151
	EmS	8-15	MFAG	760
ICAO	Class	8	UN/ID No	1759

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## 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains: Triethylenetetramine
- Symbol(s):



C - Corrosive

R-phrase(s): R34 - Causes burns. R43 - May cause sensitisation by skin contact.

S-phrase(s): 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

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## 16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

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