



## SAFETY DATA SHEET

### Concrex - Resin

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

PRODUCT NAME                    Concrex - Resin

SUPPLIER                         Watco UK limited  
 Watco House  
 Filmer Grove  
 Godalming  
 Surrey  
 GU7 3AL  
 +44(0)1483 425000  
 +44(0)1483 428888  
 msds@watco.co.uk

#### 2 HAZARDS IDENTIFICATION

Irritating to eyes and skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45)        Xi;R36/38. R43. R52/53.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
EPOXY RESIN (Number average MW <= 700 )	500-033-5	25068-38-6	5-10%	R43 Xi;R36/38 N;R51/53

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

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

##### INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

##### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

##### EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### 6 ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

##### SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

#### 7 HANDLING AND STORAGE

##### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

##### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container.

## Concrex - Resin

STORAGE CLASS

Chemical storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Granular		
COLOUR	Buff		
ODOUR	Almost odourless		
SOLUBILITY	Insoluble in water		
RELATIVE DENSITY	>2.0	VOLATILE BY VOL. (%)	<0.1%
FLASH POINT (°C)	>200C		

**10 STABILITY AND REACTIVITY**

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

**11 TOXICOLOGICAL INFORMATION**

INHALATION

Irritating to respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

May cause sensitisation by skin contact. Irritating to skin.

EYE CONTACT

Irritating to eyes.

**12 ECOLOGICAL INFORMATION**

**Concrex - Resin**

## ECOTOXICITY

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**13 DISPOSAL CONSIDERATIONS**

## DISPOSAL METHODS

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

**14 TRANSPORT INFORMATION**

GENERAL	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
	No transport warning sign required.
ROAD TRANSPORT NOTES	Not Classified
RAIL TRANSPORT NOTES	Not classified.
SEA TRANSPORT NOTES	Not classified.
AIR TRANSPORT NOTES	Not classified.
MARINE POLLUTANT	No.

**15 REGULATORY INFORMATION**

## LABELLING



Irritant

## CONTAINS

EPOXY RESIN (Number average MW <= 700 )

## RISK PHRASES

R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 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.
S60	This material and its container must be disposed of as hazardous waste.
P5	Contains epoxy constituents. See information supplied by the manufacturer.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

## APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**16 OTHER INFORMATION**

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## RISK PHRASES IN FULL

R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



## SAFETY DATA SHEET

### Concrex/Concrex Deepfill Curing Agent

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

PRODUCT NAME                      Concrex/Concrex Deepfill Curing Agent

SUPPLIER                              Watco UK limited  
 Watco House  
 Filmer Grove  
 Godalming  
 Surrey  
 GU7 3AL  
 +44(0)1483 425000  
 +44(0)1483 428888  
 msds@watco.co.uk

#### 2 HAZARDS IDENTIFICATION

Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful in contact with skin.

CLASSIFICATION (1999/45)              Xn;R21. C;R34. R43. R52/53.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
2-PIPERAZIN-1-YLETHYLAMINE	205-411-0	140-31-8	10-30%	C;R34 Xn;R21/22 R43 R52/53
NONYLPHENOL	246-672-0	25154-52-3	10-30%	Repr. Cat. 3;R62,R63 C;R34 Xn;R22 N;R50/53
Polyamide			60-100%	Xi;R38,R41.
TETRAETHYLENEPENTAMINE	203-986-2	112-57-2	1-5%	C;R34 Xn;R21/22 R43 N;R51/53
TRIETHYLENETETRAMINE	203-950-6	112-24-3	1-5%	C;R34 Xn;R21 R43 R52/53

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

#### 4 FIRST-AID MEASURES

##### GENERAL INFORMATION

Do not give victim anything to drink if they are unconscious. Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

##### INHALATION

If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

##### INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

##### SKIN CONTACT

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

##### PROTECTIVE MEASURES IN FIRE

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

## Concrex/Concrex Deepfill Curing Agent

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

#### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

#### SPILL CLEAN UP METHODS

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container. Avoid contact with oxidising agents.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT



#### PROCESS CONDITIONS

Provide eyewash station.

#### ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

#### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

#### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

#### EYE PROTECTION

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

#### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

#### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Misc. colours		
ODOUR	Ammonia		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	>100C	RELATIVE DENSITY	>1.0
VOLATILE BY VOL. (%)	<0.1%	VISCOSITY	High
FLASH POINT (°C)	>100C		

### 10 STABILITY AND REACTIVITY

#### STABILITY

No particular stability concerns.

#### CONDITIONS TO AVOID

Avoid contact with strong oxidisers.

#### HAZARDOUS DECOMPOSITION PRODUCTS

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

## Concrex/Concrex Deepfill Curing Agent

### 11 TOXICOLOGICAL INFORMATION

#### GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Corrosive. Prolonged contact causes serious eye and tissue damage.

#### INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

#### INGESTION

Gastrointestinal symptoms, including upset stomach.

#### SKIN CONTACT

May cause sensitisation by skin contact. May cause serious chemical burns to the skin.

#### EYE CONTACT

May cause chemical eye burns.

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

### 13 DISPOSAL CONSIDERATIONS

#### 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. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

### 14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (NONYLPHENOL, 2-PIPERAZIN-1-YLETHYLAMINE)		
UN NO. ROAD	1760	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
HAZCHEM CODE	2X	CEFIC TEC(R) NO.	80GC9-II+III
RID CLASS NO.	8	RID PACK GROUP	III
UN NO. SEA	1760	IMDG CLASS	8
IMDG PACK GR.	III	EMS	F-A, S-B
MFAG	See Guide	UN NO. AIR	1760
AIR CLASS	8	AIR PACK GR.	III

### 15 REGULATORY INFORMATION

#### LABELLING



Corrosive



Harmful

### Concrex/Concrex Deepfill Curing Agent

CONTAINS  
 2-PIPERAZIN-1-YLETHYLAMINE  
 NONYLPHENOL  
 TETRAETHYLENEPENTAMINE  
 TRIETHYLENETETRAMINE

RISK PHRASES

R34 Causes burns.  
 R43 May cause sensitisation by skin contact.  
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R21 Harmful in contact with skin.

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).  
 S60 This material and its container must be disposed of as hazardous waste.

**16 OTHER INFORMATION**

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RISK PHRASES IN FULL

R34 Causes burns.  
 R22 Harmful if swallowed.  
 R21/22 Harmful in contact with skin and if swallowed.  
 R21 Harmful in contact with skin.  
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R38 Irritating to skin.  
 R43 May cause sensitisation by skin contact.  
 R63 Possible risk of harm to the unborn child.  
 R62 Possible risk of impaired fertility.  
 R41 Risk of serious damage to eyes.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.