



## SAFETY DATA SHEET ULTRACRETE JOINT FIX

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

**PRODUCT NAME** ULTRACRETE JOINT FIX

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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
TOLUENE-2,4-DI-ISOCYANATE	209-544-5	584-84-9	< 1 %	Carc3;R40 T+;R26 R42/43 Xi;R36/37/38 R52/53
XYLENE	215-535-7	1330-20-7	60-100%	R10 Xn;R20/21 Xi;R38

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

### 3 HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact. Harmful: may cause lung damage if swallowed.

**CLASSIFICATION** Xn;R20/21, R65. R42/43. Xi;R36/37/38. R10.

#### ENVIRONMENT

The ventilation of areas close to the application area must be considered in the same way as that of the immediate work area. Do not allow fumes into open windows or ventilation systems.

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Never give anything by mouth to a person who is unconscious or having convulsions. In all cases of doubt or when symptoms persist seek medical attention

#### INHALATION

Move into fresh air and keep at rest. If breathing stops, provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing. Get medical attention.

#### INGESTION

If swallowed drink 1 or 2 glasses of clean water and obtain immediate medical attention. Keep at rest. DO NOT INDUCE VOMITING! If taken into mouth and not swallowed, swill out with clean water.

#### SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Do not use solvents or thinners.

#### EYE CONTACT

Immediately rinse with water. Get medical attention immediately. Continue to rinse. Contact lenses should be removed if safe to do so. Eyebaths should be available wherever the product is stored.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Fire can be extinguished using: Carbon dioxide or dry powder. Foam. Do not use water as an extinguisher. A solid stream of water directed into hot, burning liquid can cause splattering.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

After evaporation could emit carbon (sooty) deposits and carbon monoxide and dioxide. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

#### PROTECTIVE MEASURES IN FIRE

Use air-supplied respirator during fire fighting.

## ULTRACRETE JOINT FIX

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Exclude non essential personnel. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid Contact with liquid or vapours.

#### ENVIRONMENTAL PRECAUTIONS

Avoid material entering drainage system. Avoid discharge into drains, water courses or onto the ground. If large quantities are spilled, contact the Environment Agency on the free 24 hour emergency hotline: 0800 80 70 60.

#### SPILL CLEAN UP METHODS

Collect for disposal. Soak or wipe bulk with non combustible materials, eg. vermiculite, sand, earth, diatomaceous earth and place in suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises; water (45 parts by volume)/ethanol or isopropanol (50 parts)/concentrated (d: 0.88) ammonia solution (5 parts). Add the same decontaminant to any residue and allow to stand for several days in a non sealed container until no further reaction occurs. Once this stage has been reached, close the container and dispose of in accordance with the waste regulations (see section 13). Incinerate in a furnace where permitted under appropriate national and local regulations. Avoid using anything mentioned in section 10 "Materials to Avoid". see "DISPOSAL CONSIDERATIONS".

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Do not breathe fumes / vapour / spray. Provide adequate ventilation, including forced ventilation in confined spaces. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. If ventilation is insufficient, suitable respiratory protection must be provided. Persons with a history of skin sensitisation problems should not be employed in a situation where skin contact with this product could occur, nor should those with asthma or similar disorders be exposed to the vapour or spray mist. Use mask and gloves as advised in section 8. Good Standards of industrial and personal hygiene should be observed.

#### STORAGE CLASS

Containers should always be kept upright and tightly sealed to avoid leaking. Open only when ready for use and reseal part used containers after use. Store in a well labelled container, preferably the original container. Store away from heat and naked flames.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)
TOLUENE-2,4-DI-ISOCYANATE	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)

#### PROTECTIVE EQUIPMENT



#### RESPIRATORY EQUIPMENT

If the measures in Section 7 (Handling) are not sufficient to maintain the concentration of particulate and/or solvent vapours below the relevant workplace exposure limits, suitable respiratory equipment should be worn. This applies not only to the user, but to all people who can not be vacated from the work area

#### HAND PROTECTION

Use protective gloves. Suitable types are pvc, neoprene or nitrile Other types may be available and used, avoid those which soak up the product and lead to skin contact. Other types may be available and used, avoid those which soak up the product and lead to skin contact. If in doubt seek advice from a reputable manufacturer. Barrier creams may help to protect exposed areas but are not substitutes for full physical protection. They should not be applied once exposure has occurred. Gloves may degrade or be damaged according to different circumstances of use. Always ensure the gloves you are using are in good condition

#### EYE PROTECTION

Eye protection designed to protect against liquid splashes should be worn. eg. complete enclosure of the eyes to conform to EN 166 chemical grade

#### PERSONAL PROTECTION

All personal protection equipment must be selected to meet the requirements of the COSHH regulations.

#### SKIN PROTECTION

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid
ODOUR	Slightly sweet
SOLUBILITY	Immiscible with water

## ULTRACRETE JOINT FIX

**VISCOSITY**

circa 30 cps @ 20°C

**FLASH POINT (°C)**

30°C

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions and recommended use.

#### CONDITIONS TO AVOID

Reacts slowly with water resulting in evolution of carbon dioxide. In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container

#### MATERIALS TO AVOID

Keep away from oxidising agents and strongly alkaline and strongly acidic materials  
Uncontrolled exothermic reactions occur with amines and alcohols

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon (sooty) deposits plus carbon monoxide and dioxide, oxides of nitrogen, hydrogen cyanide, amines and alcohols may be produced

### 11 TOXICOLOGICAL INFORMATION

#### GENERAL INFORMATION

The engineering controls and personal protection equipment advised in this Safety Data Sheet are to ensure the occupational exposure limits are not exceeded. Should this happen to anybody within the affected area, there could be delayed adverse health effects.

#### INHALATION

Can cause distress e.g. nausea/dizziness, especially when used in confined spaces/unventilated areas. Based on the available properties of the isocyanate content of the product, respiratory exposure may cause acute irritation and/or sensitisation of the respiratory system, resulting in asthmatic symptoms, wheezing and a tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanates well below the workplace exposure limit. Repeated exposure may lead to permanent respiratory disability.

Exposure to organic vapours may lead to adverse health effects such as irritation of the mucus membrane and the respiratory system and adverse effects on the renal and central nervous systems.

Symptoms such as headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness

#### INGESTION

May cause discomfort if swallowed. Nausea, vomiting.

#### SKIN CONTACT

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin

#### EYE CONTACT

Splashes may cause irritation and reversible local damage

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

There is no data on the product itself, but it should not be allowed to enter drains or watercourses. The Air Pollution Control requirements made under the Environmental Protection Act may apply to this product.

### 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

Residues of emptied containers should be neutralised with decontaminant (see section 6). Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the regulations made under the Control of Pollution Act and the Environmental Protection Act. (Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special regulations apply). It is recommended that any surplus of the product should be disposed of by incineration.

### 14 TRANSPORT INFORMATION



**PROPER SHIPPING NAME**

RESIN SOLUTION (CONTAINS ZYLENE)

**PROPER SHIPPING NAME**

RESIN SOLUTION (CONTAINS ZYLENE)

## ULTRACRETE JOINT FIX

<b>SEA TRANSPORT NOTES</b>	Contains solvent naphtha		
<b>UN NO. ROAD</b>	1866	<b>ADR CLASS NO.</b>	3
<b>ADR CLASS</b>	Class 3: Flammable liquids.	<b>ADR PACK GROUP</b>	III
<b>ADR LABEL NO.</b>	3	<b>UN NO. SEA</b>	1866
<b>IMDG CLASS</b>	3.3	<b>IMDG PACK GR.</b>	III
<b>EMS</b>	F-E, S-E	<b>MARINE POLLUTANT</b>	



<b>UN NO. AIR</b>	1866	<b>AIR CLASS</b>	3
<b>AIR PACK GR.</b>	III		

### 15 REGULATORY INFORMATION

#### LABELLING



Harmful

**CONTAINS** TOLUENE-2,4-DI-ISOCYANATE  
XYLENE

#### RISK PHRASES

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.
R65	Harmful: may cause lung damage if swallowed.

#### SAFETY PHRASES

S23	Do not breathe vapour/spray.
S36/37	Wear suitable protective clothing and gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

#### UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health (Amendment) Regulations 2004 Chemicals (Hazard Information & Packaging) Regulations.

#### ENVIRONMENTAL LISTING

Control of Pollution Act 1974.

#### EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC.

#### APPROVED CODE OF PRACTICE

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

#### NATIONAL REGULATIONS

Workplace Exposure Limits 2005 (EH40) The Carriage of Dangerous Goods and use of transportable pressure equipment regulations 2004.

### 16 OTHER INFORMATION

#### GENERAL INFORMATION

If further information on training is required contact Instarmac Group plc

<b>REVISION DATE</b>	25/01/2007
<b>REV. NO./REPL. SDS GENERATED</b>	5

## ULTRACRETE JOINT FIX

### RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R26	Very toxic by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### DISCLAIMER

The purpose of the above information is to describe the products only in terms of health and safety requirements. 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. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date specified.

All goods are supplied in accordance with Instarmac Group plc's general conditions of sale, copies of which may be obtained by telephoning sales on 01827 872244