



SAFETY DATA SHEET ULTRACRETE JOINT FIX

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

PRODUCT NAME	ULTRACRETE JOINT FIX
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2 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.

3 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

4 FIRST-AID MEASURES

GENERAL INFORMATION

Get medical attention if any discomfort continues. Do not give victim anything to drink if they are unconscious.

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

DO NOT INDUCE VOMITING! Get medical attention immediately! Immediately rinse mouth and drink plenty of water (200-300 ml). Provide rest, warmth and fresh air. Rinse mouth thoroughly.

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

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Carbon dioxide or dry powder. Foam. Do not use water as an extinguisher.

UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours are heavier than air and may spread near ground to sources of ignition.

ULTRACRETE JOINT FIX

PROTECTIVE MEASURES IN FIRE

Use air-supplied respirator during fire fighting.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with: Liquid

ENVIRONMENTAL PRECAUTIONS

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

Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Collect for reclamation or absorb in vermiculite, dry sand or similar material. For waste disposal, see section 13.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

If ventilation is insufficient, suitable respiratory protection must be provided. Avoid inhalation of vapours and spray mists. Provide good ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Mechanical ventilation or local exhaust ventilation may be required. Observe good industrial hygiene practices. Persons with impaired lung functions should not handle this preparation. Persons susceptible for allergic reactions should not handle this product.

STORAGE CLASS

Flammable liquid storage. Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

Respiratory protection may be required. Seek advice from supervisor on the companies' respiratory protection standards. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

HAND PROTECTION

Use protective gloves. Neoprene, nitrile, polyethylene or PVC. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

EYE PROTECTION

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

SKIN PROTECTION

Remove contaminated clothing immediately and wash skin with soap and water.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Clear liquid

ODOUR

Noticeable. Sweetish

SOLUBILITY

Immiscible with water

VISCOSITY

circa 30 cps @ 20°C

FLASH POINT (°C)

30°C

10 STABILITY AND REACTIVITY

ULTRACRETE JOINT FIX

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

Strong oxidising substances. Strong alkalis. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Carbon monoxide (CO). Carbon dioxide (CO₂). Oxides of: Nitrogen. Hydrogen cyanide (HCN). Amines. Alcohol

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

Vapours may cause headache, fatigue, dizziness and nausea. Preparation contains small volumes of isocyanate which may cause allergic reaction and irritation of respiratory system. May cause an asthma-like shortness of breath. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

INGESTION

May cause discomfort if swallowed. Nausea, vomiting.

SKIN CONTACT

Prolonged contact may cause redness, irritation and dry skin. May cause defatting of the skin, but is not an irritant.

EYE CONTACT

Splashes may irritate.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Do not allow to enter drains, sewers or watercourses.

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. Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME

RESIN SOLUTION (CONTAINS XYLENE)

PROPER SHIPPING NAME

RESIN SOLUTION (CONTAINS XYLENE)

SEA TRANSPORT NOTES

Light. Aromatic.

UN NO. ROAD

1866

ADR CLASS NO.

3

ADR CLASS

Class 3: Flammable liquids.

ADR PACK GROUP

III

ADR LABEL NO.

3

UN NO. SEA

1866

IMDG CLASS

3.3

IMDG PACK GR.

III

EMS

F-E, S-E

MARINE POLLUTANT

ULTRACRETE JOINT FIX

UN NO. AIR

1866



AIR CLASS 3 AIR PACK GR. 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).

16 OTHER INFORMATION

GENERAL INFORMATION

If further information on training is required contact Instarmac Group plc

REVISION DATE 07/04/2008

REV. NO./REPL. SDS GENERATED 7

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.

ULTRACRETE JOINT FIX

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