



SAFETY DATA SHEET
ENVIROBED (LIQUID POLYMER) - BEDDING MORTAR ADDITIVE

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

PRODUCT NAME ENVIROBED (LIQUID POLYMER) - BEDDING MORTAR ADDITIVE
SUPPLIER Instarmac Group plc
Danny Morson Way
Birch Coppice Business Park
Dordon, Tamworth
Staffordshire. B78 1SE
United Kingdom
Tel: +44 (0) 1827 872244
Fax: +44 (0) 1827 874466
email@instarmac.co.uk
www.instarmac.co.uk
EMERGENCY TELEPHONE +44 (0)7971 217 347
CONTAINER SIZE 2.5 Litre

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6		55965-84-9	< 1 %	T;R23/24/25 C;R34 R43 N;R50/53

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

4 FIRST-AID MEASURES

INHALATION

Move into fresh air and keep at rest.

INGESTION

Do not induce vomiting. Get medical attention.

SKIN CONTACT

Remove contaminated clothing. Wash skin with soap and water.

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 if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

ENVIROBED (LIQUID POLYMER) - BEDDING MORTAR ADDITIVE

SPILL CLEAN UP METHODS

For waste disposal, see section 13.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 5°C and 25°C. Protect from frost and sunlight

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6	WEL		0.20 mg/m ³			

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Well-ventilated area.

HAND PROTECTION

Wear protective gloves.

EYE PROTECTION

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

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

When using do not eat, drink or smoke.

SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

ENVIRONMENTAL EXPOSURE CONTROLS

For waste disposal, see section 13.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Milky. Liquid	RELATIVE DENSITY	0.09 - 1.1
COLOUR	White	pH-VALUE, CONC. SOLUTION	6.5 - 7.5
ODOUR	Slight odour Ester.		
BOILING POINT (°C)	Approximately 100		
VAPOUR PRESSURE	23 mPa @20°C		
VISCOSITY	500 - 3500 Pas		

10 STABILITY AND REACTIVITY

ENVIROBED (LIQUID POLYMER) - BEDDING MORTAR ADDITIVE

STABILITY

Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

INGESTION

May cause discomfort if swallowed.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The polymer is expected to be of low toxicity.

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.

14 TRANSPORT INFORMATION

GENERAL

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

15 REGULATORY INFORMATION

RISK PHRASES

NC Not classified.

SAFETY PHRASES

S24 Avoid contact with skin.

S36/37 Wear suitable protective clothing and gloves.

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/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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)

16 OTHER INFORMATION

GENERAL INFORMATION

If further information on training is required contact Instarmac Group plc

REVISION DATE

24/01/2008

ENVIROBED (LIQUID POLYMER) - BEDDING MORTAR ADDITIVE

REV. NO./REPL. SDS GENERATED 7

RISK PHRASES IN FULL

R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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
Ultracrete Envirobred HA 104

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

PRODUCT NAME	Ultracrete Envirobred HA 104
SUPPLIER	Instarmac Group plc Danny Morson Way Birch Coppice Business Park Dordon, Tamworth Staffordshire. B78 1SE United Kingdom Tel: +44 (0) 1827 872244 Fax: +44 (0) 1827 874466 email@instarmac.co.uk www.instarmac.co.uk
EMERGENCY TELEPHONE	+44 (0)7971 217 347

2 HAZARDS IDENTIFICATION

Risk of serious damage to eyes. Irritating to respiratory system and skin. May cause sensitisation by skin contact.

Contains chromium (VI). May produce an allergic reaction.

CLASSIFICATION Xi;R37/38, R41. R43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CALCIUM ALUMINATE			10-30%	Xi;R36/38.
PORTLAND CEMENT		65997-15-1	10-30%	Xi;R37/38,R41. R43.
SILICA SAND	238-878-4	14808-60-7	30-60%	-
SILICA SAND	238-878-4	14808-60-7	10-30%	-

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

Risk of serious damage to eyes.

INHALATION

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. 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. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water. Foam.

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

REVISION DATE: 20/01/2010

Ultracrete Envirobed HA 104**UNUSUAL FIRE & EXPLOSION HAZARDS**

No unusual fire or explosion hazards noted.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

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

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Avoid generation and spreading of dust.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 5°C and 30°C. This product must be stored in unopened bags, clear of the ground in cool dry conditions and protected from excessive drafts. If stored correctly and used within 6 months of the date shown on the bag, the activity of the reducing agent will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2 ppm) soluble Chromium (VI) of the total dry weight of the cement.

Shelf life in correct for sealed bags is 6 months. Please note: the use of this product after the end of the declared storage period may increase the risk of an allergic reaction.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
PORTLAND CEMENT	WEL		10 mg/m ³			
SILICA SAND	WEL		0.3 mg/m ³			
SILICA SAND	WEL		0.3 mg/m ³			

WEL = Workplace Exposure Limit.**PROTECTIVE EQUIPMENT****PROCESS CONDITIONS**

Provide eyewash station.

ENGINEERING MEASURES

Provide sufficient ventilation for operations causing dust formation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Dust mask/respirator.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Powder, dust

REVISION DATE: 20/01/2010

Ultracrete Envirobed HA 104

COLOUR Grey

RELATIVE DENSITY 1.6-2.0 @ 20°C

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

Strong acids. Strong alkalis.

11 TOXICOLOGICAL INFORMATION**INHALATION**

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Prolonged contact with wet cement/mixture may cause burns.

EYE CONTACT

Risk of serious damage to eyes.

HEALTH WARNINGS

Contains chromium (VI). May produce an allergic reaction.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

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).

15 REGULATORY INFORMATION**LABELLING**

Irritant

CONTAINS

PORTLAND CEMENT

RISK PHRASES

R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
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.
S37/39	Wear suitable gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.

REVISION DATE: 20/01/2010

Ultracrete Envirobed HA 104

S51	Use only in well-ventilated areas.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

UK REGULATORY REFERENCES

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

ENVIRONMENTAL LISTING

Control of Pollution Act 1974. Rivers (Prevention of Pollution) Act 1961.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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.

NATIONAL REGULATIONS

Workplace Exposure Limits 2005 (EH40) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007)

16 OTHER INFORMATION**GENERAL INFORMATION**

If further information on training is required contact Instarmac Group plc

REVISION DATE 20/01/2010

REV. NO./REPL. SDS GENERATED 12

RISK PHRASES IN FULL

NC	Not classified.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.

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