

Material Safety Datasheet for Solcem Epoxy Repair (Curing Agent)

SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Material & Description:	Solseal Epoxy Resin Mortar (Curing Agent)
Trade Name:	Solseal Epoxy Repair Mortar
Chemical Name & Synonyms:	None.
Manufacturer:	Solco.
Address:	Unit 51, Portmanmoor Road Ind Est, Ocean Park, Cardiff, CF24 5HB.
Emergency Telephone Number:	+ 44 (0)808 1686927.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

Modified cycloaliphatic polyamine

Name	EC No	CAS -No	Content	Classification
Isophorone diamine	220-666-8	2855-13-2	25-50%	C R21/22, R34, R43
Benzyl Alcohol	202-859-9	100-51-6	25-50%	Xn; R20/22.
m-xylylenediamine	216-032-5	1477-55-0	10-25%	C R20/22 R34, R43, R52/53

SECTION 3: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

Main Hazards

Harmful if swallowed, Harmful by inhalation Causes burns, May cause sensitization by skin contact, Severe eye irritant
C; R20/21/22, C; R34. 43, R52/53

SECTION 4: FIRST AID MEASURES

Note:

Treat like chemical burns

Skin contact:

Remove contaminated clothing. After contact with skin, wash immediately with plenty of clean water (S28). Seek medical attention if irritation persists.

Eyes contact:

Speed is essential. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice (S26) Eye wash stations should be available in areas where exposure is possible.

Ingestion:

Do not induce vomiting. Drink water to dilute. Drink citrus fruit juice for neutralisation

Inhalation:

No specific measures. Remove to fresh air in case of indisposition.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA.

Extinguishing media:

Dry powder, Carbon Dioxide, Water spray.

Exposure hazards:

Carbon Monoxide may be evolved if incomplete combustion occurs.

Protection of Fire-fighters

Wear full protective clothing and self contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES / SPILLS.

Personal precautions	Avoid skin, eye and clothing contact. Provide sufficient ventilation during use
Environmental precautions	Prevent from entering sewer system, surface water or soil. Prevent from spreading into drains, ditches or rivers by using sand, earth or other appropriate barriers
Clean-up procedures	Soak up with absorbent material e.g. dry sand, vermiculite, and dispose of as instructed Shovel up and place in a labeled, sealable container for subsequent disposal.

SECTION 7: HANDLING AND STORAGE.

Storage conditions:	Avoid temperatures below 5°C Store at ambient temperatures. Must only be kept in original packaging
Handling:	Use in well ventilated areas. Keep containers tightly closed when not in use. Avoid contact with skin, eyes and clothing.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION.

Engineering Measures:	Ensure there is sufficient ventilation of the area
Hand protection:	Use heavy duty gloves. Gloves may degrade or be damaged according to different circumstances of use. Always ensure gloves you are using are in good condition. 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.
Eye protection:	Eye protection designed to protect against liquid splashes, conforming to EN1166 Chemical Grade, should be worn when handling dry powder or when there is risk of mixed material entering the eye. Eye protection is essential when handling alkaline material.
Skin protection:	Wear suitable overalls. Remove grossly contaminated clothing and wash skin with plenty of clean water. Practice good personal hygiene.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

State	Liquid.
Colour	Pale Yellow
Odour	Characteristic Amine
Solubility in water	Partly Soluble
Viscosity	350 cps @20°C.
Flash point °C	132°C

SECTION 10: STABILITY AND REACTIVITY.

Stability	Stable under normal conditions
Conditions to avoid	Thermal decomposition not applicable under normal conditions. Temperatures above 95°C.
Materials to avoid	Acids
Haz. Decompositon Products .	Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Ammonia

SECTION 11: TOXICOLOGICAL INFORMATION.

Mutagenicity:	Negative Ames test..
Skin:	Skin irritation tested in rabbits : Strong Irritant
Eye:	Eye irritation tested in rabbits : Corrosive
Ingestion:	LD50 Acute oral toxicity in rats : >3100mg/kg.

SECTION 12: ECOLOGICAL INFORMATION.

Mobility	Readily absorbed into soil. Prevent contamination of soil, drains or surface water
Bioaccumulative potential	No Data.
Other adverse effects	Not regarded as dangerous to the environment

SECTION 13: DISPOSAL CONSIDERATIONS.

Burn in compliance with local and national regulations in a hazardous incinerator.

SECTION 14: TRANSPORT / LABEL INFORMATION.

ADR/RID			
UN no	2735	ADR Class	8
Packing Group	III	Classification code	53/C
Proper Shipping Name	Amines, liquid, corrosive n.o.s (Isophorone Diamine).	Hazard ID no	80
Labelling	8		
IMDG/IMO			
UN no	2735	Class	8
Packing Group	III	EmS	F-A,S-B
Marine Pollutant	No	Labelling	8
IATA/ICAO			
UN no	2735	Class	8
Packing Group	III	Packing Instruction	818(P & CA); 820(CAO)
Labelling	8		

SECTION 15: REGULATORY INFORMATION.

Hazard Symbol	Corrosive
Risk Phrases	R20/21/22, Harmful by inhalation, in contact with skin and if swallowed, R34, Causes burns, R43, May cause sensitization by skin contact R52/53, Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
Safety Phrases	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 the label where possible)..

SECTION 16: ANY OTHER HEALTH AND SAFETY INFORMATION.**Other information**

Read in conjunction with the appropriate Base Component Material Safety Data Sheet.

Training:

All operatives using this material must receive proper training with regard to the health and safety aspects relating to it.

Recommended uses and restrictions:

Use only in conjunction with appropriate industrial practice.

Sources of information used to compile MSDS:

Various, further information available by special request.

NOTE: The information contained in this Material Safety Data Sheet does not constitute the user's own assessment of workplace risk as required by other Health and Safety legislation. The data given here is based on current knowledge and experience and may be updated as new information becomes available. The purpose of this Material Safety Data Sheet is to describe the product in terms of its safety requirements. The data does not signify any warranty with regard to its properties. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use.