

SAFETY DATA SHEET

Product: Epigen 301MRD "C" Page 1 of 3

Date of Issue: January 2007

Hazardous according to criteria of Worksafe Australia

1 PRODUCT & COMPANY UNDERTAKING IDENTIFICATION

Product Name: EPIGEN 301MRD "C"
Major Recommended Use: High strength grout and encapsulating compound when mixed with "A" & "B".
Company: Peerless Industrial Systems Pty Ltd
ABN: 14 097 615 391
Address: PO Box 407 Cloverdale WA 6985 AUSTRALIA
Telephone Number: 61 (08) 9477 3788
Fax Number: 61 (08) 9477 3766
Email: service@peerlessindustrialsystems.com

2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion	Classification
Propylene Carbonate	108-32-7	>100%	R36
Description	Organic Carbonate		

3 HAZARDS IDENTIFICATION

Irritating to eyes (R36).

SUSDP: 5

ADG CLASS: Not regulated

Signs and Symptoms of Exposure (Acute effects):

Swallowed: No significant signs or symptoms indicative of any health hazard are expected to occur as a result of ingestion.

Eye: Contact with eyes can cause irritation including a burning sensation, tearing, redness or swelling. This effect is transient and has no known residual effect.

Skin: Contact with skin can cause irritation, redness and discomfort which is transient.

Inhaled: Risk of exposure to hazardous concentrations of vapour is unlikely.

Chronic: Repeated and/or prolonged exposures may result in: adverse skin effects (defatting, rash or allergic reaction/sensitisation), adverse eye effects (conjunctivitis or corneal damage).

4 FIRST AID MEASURES

Swallowed: Administer 3-4 glasses of milk or water and seek emergency medical advice immediately.

Risk to lungs exceeds poisoning risk. Review whether ingestion is mixed or this component only.

Eye: Immediately flush with plenty of water for at least 15 minutes. Retract eyelids often. Seek medical advice.

Skin: Remove any contaminated clothing and product. Wash skin thoroughly with mild soap/water. Flush affected areas with water for 15 minutes. Seek medical advice if ill effect or irritation develops.

Inhaled: Move patient to fresh air. Give oxygen or artificial respiration if breathing has stopped or is laboured. Seek medical advice.

First Aid Facilities: Product is supplied and used as a 3 part polymer system designed to cure to a hard solid.

Exposure to either part may not be able to be determined with any surety, and data on health effects during cure are not available. It is therefore suggested that the exposure be assumed to be to mixed, curing product, and appropriate consideration be given to seeking immediate medical advice.

Advice to Doctor: As per "First Aid Facilities", doubt may exist as to whether the particular substance requiring treatment is "A", "B" or "C", or if it is a mixture undergoing cure to a hard plastic. The health hazard information relates to the greatest known risk. Remove stomach contents by gastric suction or induce vomiting as appropriate. Ingredients may be corrosive to some body tissues, therefore secondary treatment considerations will be required.

5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use: carbon dioxide (CO₂), dry chemical, or water spray.

Special Exposure Hazards (fire fighting): May generate toxic, irritating or flammable combustion products. May generate carbon monoxide gas and other similar toxic gases. Personnel in vicinity and downwind should be evacuated.

Special Fire Fighting Procedures: Firefighters should wear butyl rubber boots, gloves, and body suit and a self contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Precautions: Wear protective clothing, boots, gloves, and eye protection.

Methods for Cleaning Up: If recovery is not feasible, admix with dry soil, sand or non reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Flush area with water spray.

7 HANDLING & STORAGE

Handling: Avoid contact with skin or eyes. When handling, do not eat, drink, or smoke. Avoid using in any spray application without strict conformance to all applicable electrical codes and the ventilation regulations.

Storage: Keep away from oxidising agents. Keep in cool, dry ventilated storage and in closed containers.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: Not established

Engineering Controls: Conventional airflow is generally considered to be acceptable. In confined areas, exhaust fans should be utilised in accordance with good working practices.

Hand Protection: Neoprene rubber, Impermeable gloves, Cuffed butyl rubber, Nitrile rubber, or PVC gloves.

Eye Protection: Splash proof eye goggles.

Skin Protection: Long sleeved clothing.

Flammability: Non flammable

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Light yellow liquid
Smell:	Slight
pH:	5.5 – 7.5 (10% in water)
Boiling Point (@760mm Hg):	> 242°C
Melting Point:	No data
Flashpoint (°C):	> 135°C Closed Cup
Flammability:	32% (upper) vol in air
Ignition Temperature:	No data
Explosive Properties:	No data
Explosive Limits:	No data
Oxidising Properties:	No data
Vapour Pressure (mm Hg):	No data
Vapour Density:	No data
Solubility in Water:	21%
Solubility in Ethanol:	No data
Solubility in n-Octanol:	No data
Partition Coefficient n-Octanol/Water	No data
Specific Gravity:	1.2
Per cent Volatiles:	No data
Volatile Organic Compounds:	No data

10 STABILITY & REACTIVITY

Conditions to Avoid: Not applicable.

Incompatibility (Materials to Avoid): Keep away from oxidising agents.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, in a fire. Ammonia when heated. Irritating and toxic fumes at elevated temperatures.

Hazardous Transformation Products: Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity (LD50, rat): No data.

Acute Dermal Toxicity (LD50, rabbit): No data.

Acute Inhalation Toxicity (LC50, rat): No data.

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data.

Environmental Fate: Decomposes rapidly in water to form products expected to be non toxic to aquatic species.

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations. Wear protective clothing during disposal operations. If disposal by a waste contractor, make sure that he has sufficient information and that waste containers are properly labelled.

Where disposal of surplus stock is required, Cure as per use directions to enable possible disposal by conventional waste disposal techniques

14 TRANSPORT INFORMATION

ADR/RID Shipping Data: Not regulated.

IMO Shipping Data: Not regulated.

ICAO/IATA Shipping Data: Not regulated.

15 REGULATORY INFORMATION

EEC Symbol: Irritant (Xi)

EEC Council Directives relating to the classification, packaging and labelling of dangerous substances and preparations Risk (R) and Safety (S) phrases: Irritating to eyes (R36).

Avoid contact with skin and eyes (S24/25).

16 OTHER INFORMATION

This Safety Data Sheet has been written to comply with Directives 93/112/EEC and 88/379/EEC to comply with KEMI General Recommendations 1998:1

Intended Use: Curing Agent for Epoxy Resin

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