

SAFETY DATA SHEET

Product: Epigen 0301MRD "C" Page 1 of 6 Date of Issue: May 2024

Hazardous according to criteria of Worksafe Australia

1 PRODUCT & COMPANY UNDERTAKING IDENTIFICATION

Product Name: EPIGEN 0301MRD "C"
Product Code: 0301MRDC
Major Recommended Use: High strength grout and backing 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
Emergency Telephone Number: 13 11 26

2 HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage / eye irritation: Category 2A

GHS Label Element

Hazard pictograms:



Signal Word: Warning

Hazard statements: H319 Causes serious eye irritation.

Precautionary statements: P264 Wash hands and face thoroughly after handling.
P280 Wear eye/face protection, gloves, protective clothing.

Response statements: P305 + P351 + P338 IF ON EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Poison Schedule (Australia) Not scheduled

Other hazards which do not result in classification

None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

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

4 FIRST AID MEASURES

SAFETY DATA SHEET

Product: Epigen 0301MRD "C" Page 2 of 6 Date of Issue: May 2024

Description of necessary measures according to routes of exposure.

If inhaled:	Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical treatment in case of troubles.
In case of skin contact:	Remove contaminated clothing. Immediately wash affected area with plenty of soap and water for at least 15 minutes. Seek Medical attention in the case of persistent irritation.
In case of eye contact:	Immediately flush eye(s) with plenty of water for at least 15 minutes while holding eyelids open. Take care not to rinse contaminated water into the non-affected eye. Subsequently consult an ophthalmologist.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical treatment in case of troubles.
Notes to physician:	Treat symptomatically based on judgement of doctor and individual reactions of patient.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire fighting:	Do not allow run-off from firefighting to enter drains or water courses.
Hazardous combustion products:	No hazardous combustion products are known.
Specific extinguishing methods:	Collect contaminated fire extinguishing water separately. This must not be discharged to drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment:	In the event of fire, wear self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions:	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7 HANDLING & STORAGE

Advice on protection against fire and explosion:	Normal measures for preventive fire protection.
Advice on safe handling:	Do not breathe vapours or spray mist. Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

SAFETY DATA SHEET

Product: Epigen 0301MRD "C" Page 3 of 6 Date of Issue: May 2024

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which a mixture is being used.

Smoking, eating and drinking should be prohibited in the application area.

Follow standard hygiene measures when handling chemical products.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of the workday.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in accordance with local regulations.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection: Use in a well-ventilated area General exhaust is adequate under normal operating conditions. Refer also to protective measures for the other component used with the product. Read both SDS before using; store and attach SDS together.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates it is necessary.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Colourless up to yellowish
Odour:	Fruity
Odour Threshold:	Not available
pH:	7
Melting Point:	-49°C
Boiling Point (@760mm Hg):	242°C
Flashpoint (°C):	116°C
Evaporation rate:	No data available
Flammability:	Not applicable
Upper explosion limit:	Not available
Lower explosion limit:	Not available
Vapour Pressure (mm Hg):	Not available
Relative Vapour Density:	Not available
Density:	1.2
Solubility in Water:	Insoluble
Partition Coefficient n-Octanol/Water	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Per cent Volatiles:	Not available
Volatile Organic Compounds:	Not available

10 STABILITY & REACTIVITY

SAFETY DATA SHEET

Product: Epigen 0301MRD "C" Page 4 of 6 Date of Issue: May 2024

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	The product is chemically stable.
Possibility of hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	Heat and sources of ignition.
Incompatible materials:	Strong oxidizing materials.

11 TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:

Skin contact : Based on available data, the classification criteria are not met.

Eye contact: Causes serious eye irritation. Category 2AH319 Causes serious eye irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract

Inhalation: Material The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Acute toxicity: Not classified based on available information.

Chronic toxicity:

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

STOT – single exposure: Not classified based on available information.

STOT – repeated exposure: Not classified based on available information.

Aspiration toxicity: Not classified based on available information.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Acute (short term) fish toxicity:
LC50 *Cyprinus carpio* (Common Carp): 1000 mg/L/96h (EU Method C.1)
Acute *Daphnia magna* (Big water flea): 1000mg/L/48h (OECD 202)
Algae toxicity:
EC50/LC50 *Desmodesmus subspicatus* (green algae): 900 mg/L/72h (OECD 201)
NOEC *Desmodesmus subspicatus* (green algae): 900 mg/L/72h (OECD 201)

Persistence and degradability: Biodegradation:
Water: >83%/28d (OECD 301B)
Product is readily biodegradable
Effects in sewage plants: EC10 *Pseudomonas putida*: 7400 mg/L/16h (DIN 38412, Part 8)

Bioaccumulative potential: Partition Coefficient: n-octanol/water: at 20 C: -0.5 log P(o/w)

SAFETY DATA SHEET

Product: Epigen 0301MRD "C" Page 5 of 6 Date of Issue: May 2024

Bioaccumulation is not to be expected (log P(o/w) <1)

Mobility in soil:

Volatilisation: Henry constant, 25 C: H=0,00103 Pa*m3/mol.

Environmental Fate:

Do not allow to enter into ground-water, surface water or drains.

Environmental Impact:

No Data Available

13 DISPOSAL CONSIDERATIONS

General Information

Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State and Federal Regulations or recycled / reconditioned at an approved facility.

Special Precautions for Landfill

Contact a specialist disposal company or the local waste regulator for advice.

14 TRANSPORT INFORMATION

International Regulation

IATA-DGR.

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

IMDG-Code

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Road & Rail Transport

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

"Australian Code for the Transport of Dangerous Goods by Road & Rail"

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture.

Standard for the Uniform Scheduling of Medicines and Poisons: Schedule 5

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors Not applicable

Prohibition / Licensing Requirements: There is no applicable prohibition or notification / licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

The components of this product are reported in the following inventories:

AICS: On the inventory, or in compliance with the inventory.

SAFETY DATA SHEET

Product: Epigen 0301MRD "C" Page 6 of 6 Date of Issue: May 2024

16 OTHER INFORMATION

Date format: September 2024

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. SDS may be obtained from the following website: www.epigen.com.au

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the material are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising from or in any way connected with the handling, storage, use or disposal of the material