

## Safety Data Sheet

### PLANICRETE

Safety Data Sheet dated: 14/03/2023 - version 6

Date of first edition: 03/05/2017



## Section 1: Identification

### GHS Product identifier

Mixture identification:

Trade name: PLANICRETE

Trade code: 900371

### Recommended use of the chemical and restrictions on use

Recommended use: Synthetic resin latex

Uses advised against: no data available

### Supplier's details

Company: MAPEI AUSTRALIA Pty Ltd

180 Viking Drive Wacol QLD 4076 Australia

T. +61 7 32765000 (Mon-Fri 8am to 4.30pm)

F. +61 7 32765076

Responsible: sales@mapei.com.au

### Emergency phone number

Australian Poisons Information Centre 24 Hour Service 13 11 26

Police or Fire Brigade 000

## Section 2: Hazard(s) identification

### Classification of the Hazardous chemical

The product is not classified as hazardous according to Australia WHS 2 (2021).

Adverse physicochemical, human health and environmental effects:

No other hazards

### GHS label elements, including precautionary statements

The product is not classified as hazardous according to Australia WHS 2 (2021).

### Other hazards which do not result in a classification

Other Hazards: No other hazards

## Section 3: Composition and information on ingredients

### Substances

no data available

### Mixtures

Mixture identification: PLANICRETE

### Hazardous components within the meaning of the "Australian Work Health and Safety (WHS)" regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥2.5 - <5 %	2,2' -oxybisethanol; diethylene glycol	CAS:111-46-6 EC:203-872-2 Index:603-140-00-6	Acute Tox. 4, H302	01-2119457857-21-XXXX

## Section 4: First-aid measures

### Description of necessary first-aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### Symptoms caused by exposure

no data available

### Medical attention and special treatment

no data available

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## Section 5: Firefighting measures

### Suitable extinguishing media

None in particular.

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: no data available

Explosive properties: ==

Oxidizing properties: no data available

### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

### HazChem Code/Emergency Action code

N.A.

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## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

### Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

Retain contaminated washing water and dispose it.

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## Section 7: Handling and storage

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

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## Section 8: Exposure controls and personal protection

### Control parameters – exposure standards, biological monitoring

#### Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
2,2' -oxybisethanol; diethylene glycol CAS: 111-46-6	National	SWEDEN	Long Term: 45 mg/m <sup>3</sup> - 10 ppm; Short Term: 90 mg/m <sup>3</sup> - 20 ppm SWEDEN, Short-term value, 15 minutes average value
	National	NORWAY	Long Term: 11 mg/m <sup>3</sup> - 2,5 ppm; Short Term: 22 mg/m <sup>3</sup> - 5 ppm
	AUS	AUSTRALIA	Long Term: 100 mg/m <sup>3</sup> - 23 ppm
	National	SWEDEN	Long Term: 45 mg/m <sup>3</sup> - 10 ppm

National DENMARK	Long Term: 11 mg/m <sup>3</sup> - 2,5 ppm
National GERMANY	Long Term: 44 mg/m <sup>3</sup> - 10 ppm
National ESTONIA	Long Term: 45 mg/m <sup>3</sup> - 10 ppm; Short Term: 90 mg/m <sup>3</sup> - 20 ppm
National LATVIA	Long Term: 10 mg/m <sup>3</sup>
National SLOVAKIA	Ceiling - Short Term: 90 mg/m <sup>3</sup>
National SLOVAKIA	Long Term: 44 mg/m <sup>3</sup> - 10 ppm
National SLOVENIA	Long Term: 44 mg/m <sup>3</sup> - 10 ppm; Short Term: 176 mg/m <sup>3</sup> - 40 ppm
National UNITED KINGDOM	Long Term: 101 mg/m <sup>3</sup> - 23 ppm; Short Term: 303 mg/m <sup>3</sup> - 69 ppm
National BULGARIA	Long Term: 10 mg/m <sup>3</sup>
National ROMANIA	Long Term: 500 mg/m <sup>3</sup> - 115 ppm; Short Term: 800 mg/m <sup>3</sup> - 184 ppm
National LITHUANIA	Long Term: 45 mg/m <sup>3</sup> - 10 ppm; Short Term: 90 mg/m <sup>3</sup> - 20 ppm
National CROATIA	Long Term: 101 mg/m <sup>3</sup> - 23 ppm

**Predicted No Effect Concentration (PNEC) values**

2,2' -oxybisethanol;  
diethylene glycol  
CAS: 111-46-6      Exposure Route: Fresh Water; PNEC Limit: 10 mg/l

- Exposure Route: Marine water; PNEC Limit: 1 mg/l
- Exposure Route: Freshwater sediments; PNEC Limit: 20,9 mg/kg
- Exposure Route: Soil; PNEC Limit: 1,53 mg/kg
- Exposure Route: Intermittent release; PNEC Limit: 10 mg/l
- Exposure Route: Marine water sediments; PNEC Limit: 2,09 mg/kg
- Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 199,5 mg/l

**Derived No Effect Level (DNEL) values**

2,2' -oxybisethanol;  
diethylene glycol  
CAS: 111-46-6      Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects  
Worker Industry: 53 mg/kg; Consumer: 53 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Industry: 60 mg/m<sup>3</sup>; Consumer: 12 mg/m<sup>3</sup>

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects  
Worker Industry: 60 mg/m<sup>3</sup>; Consumer: 12 mg/m<sup>3</sup>

**Appropriate engineering controls**

no data available

**Individual protection measures, such as personal protective equipment (PPE)**

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Suitable materials for safety gloves; AS/NZS 2161.10:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Not needed for normal use.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to AS/NZS 1715-1716 for information on selection and use of appropriate respiratory protection equipment.

no data available

**Section 9: Physical and chemical properties**

Physical state: Liquid

Appearance: liquid

Color: white

Odour: Characteristic

pH: 8.00

Melting point / freezing point: no data available

Initial boiling point and boiling range: 100 °C (212 °F)  
Flash point: no data available  
Evaporation rate: no data available  
Flammability (Solid, Gas) no data available  
Lower and upper explosion limit/flammability limits: no data available  
Vapour pressure: no data available  
Vapour density: no data available  
Relative density: 1.01 g/cm<sup>3</sup>  
Solubility in water: dispersible  
Solubility in oil: insoluble  
Partition coefficient (n-octanol/water): no data available  
Auto-ignition temperature: no data available  
Decomposition temperature: no data available  
Kinematic viscosity: no data available  
VOC % (Volatile Organic Compound) : No data available

**Particle characteristics:**

Particle size: no data available  
Particle size distribution: no data available  
Shape and aspect ratio: no data available  
Specific surface area: no data available

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**Section 10: Stability and reactivity**

**Reactivity**

Stable under normal conditions

**Chemical stability**

no data available

**Possibility of hazardous reactions**

None.

**Conditions to avoid**

Stable under normal conditions.

**Incompatible materials**

None in particular.

**Hazardous decomposition products**

None.

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**Section 11: Toxicological information**

**Information on toxicological effects**

**Toxicological Information of the Preparation**

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified

**Toxicological information on main components of the mixture:**

2,2' -oxybisethanol; a) acute toxicity LD50 Skin Rabbit > 2000, mg/kg  
diethylene glycol

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**Section 12: Ecological information**

**Ecotoxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product**

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

**List of Eco-Toxicological properties of the components**

**Component**

**Ident. Numb. Ecotox Data**

2,2' -oxybisethanol; diethylene glycol

CAS: 111-46-6 - a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96  
EINECS: 203-872-2 - INDEX:  
603-140-00-6

- a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 24
- a) Aquatic acute toxicity : EC50 Algae > 100 mg/L - 8 d
- b) Aquatic chronic toxicity : NOEC Fish > 100 mg/L - 7 d
- b) Aquatic chronic toxicity : NOEC Daphnia > 100 mg/L - 7 d
- e) Plant toxicity : EC50 = 11779 mg/kg
- b) Aquatic chronic toxicity : NOEC Algae = 2700 mg/L - 8 d
- a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 75200 mg/L 96h EPA
- a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 84000 mg/L 48h IUCLID

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

no data available

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**Section 13: Disposal considerations**

**Disposal methods**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

no data available

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Clean waste packaging should be recycled when possible and authorized by the authority.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Empty containers or liners may retain some product residues. Do not re-use empty containers.

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## Section 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

### UN number

no data available

### UN proper shipping name

no data available

### Transport hazard class(es)

no data available

### Packing group, if applicable

no data available

### Environmental hazards

no data available

### Special precautions for user

ADG-Subsidiary hazards no data available

ADG-S.P.: no data available

Road and Rail (ADR-RID):

no data available

Air (IATA):

no data available

Sea (IMDG):

no data available

### Additional Information

no data available

### HazChem Code/Emergency Action code

no data available

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## Section 15: Regulatory information

### Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Australian Work Health and Safety (WHS) act and the Code of Practice on preparation of safety data sheets for Hazardous Chemicals.

AICIS: all components are listed

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## Section 16: Any other relevant information

Code	Description
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H302	Harmful if swallowed.
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Code	Hazard class and hazard category	Description
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3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
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This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community  
CLP: Classification, Labeling, Packaging.  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level.  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
ES: Exposure Scenario  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 16. OTHER INFORMATION