

Safety Data Sheet according to WHS Regulations

Printing Date: 04.10.2022

Version Number: 1.0

Revision Date: 04.10.2022

1 Identification

Product identifier:Trade name: PLP**Relevant identified uses of the substance or mixture, and uses advised against:**

Relevant identified uses of the substance or mixture: Concrete Admixtures

Identified uses advised against: No further relevant information available.

Details of the supplier of the safety data sheet:**Manufacturer/supplier:**

GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
Australia

Further information obtainable from:

Tel. +61 7-3275-7500
Fax +61 7-3275-7501

APMSDS@gcpat.com

Emergency telephone number: After hours - Tel. No. 1800 039 008 (AU) or +61 7-3275-7500

2 Hazard(s) Identification

Classification of the substance or mixture:

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Label elements:**GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS05 GHS07

Signal word Danger**Hazard-determining components of labelling:**

Nonylphenol polyethylene glycol ether
Dodecylbenzenesulphonic acid
Diethanolamine

Hazard statements

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

Precautionary statements

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves / eye protection / face protection.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

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Rinse mouth.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards:**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition and Information on Ingredients

Chemical characterization: Mixture:**Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous components:**

127087-87-0	Nonylphenol polyethylene glycol ether	5-<10%
	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irritation 2A, H319	
25322-68-3	Polyethylene glycol	5-<10%
102-71-6	Triethanolamine	5-<10%
	Skin Irrit. 2, H315; Eye Irritation 2A, H319; STOT SE 3, H335	
27176-87-0	Dodecylbenzenesulphonic acid	3-<5%
	Acute Tox. 3, H301	
	Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H312	
111-42-2	Diethanolamine	1-<3%
	STOT RE 2, H373	
	Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335	
1310-73-2	Sodium hydroxide	0.1-<1%
	Skin Corr. 1A, H314	

Additional information:

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

4 First Aid Measures

Description of first aid measures:**General information:** Get medical advice/attention if you feel unwell.**After inhalation:**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF INHALED: Call a doctor if you feel unwell.

After skin contact: Immediately rinse with water.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:**Most important symptoms and effects, both acute and delayed:** Harmful if swallowed.**Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

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5 Fire Fighting Measures

Special hazards arising from the substance or mixture: No further relevant information available.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Use neutralising agent.

Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

HANDLING

Precautions for safe handling:

Store in a well-ventilated place. Keep container tightly closed.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities:

STORAGE

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions:

Protect from frost.

Store in a dry place.

Keep cool.

Specific end use(s): No further relevant information available.

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace:

25322-68-3 Polyethylene glycol

WEEL (USA)	Long-term value: 10 mg/m ³ (H); MW>200
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102-71-6 Triethanolamine

WES (Australia)	Long-term value: 5 mg/m ³ Sen
TLV (USA)	Long-term value: 5 mg/m ³

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111-42-2 Diethanolamine

WES (Australia)	Long-term value: 13 mg/m ³ , 3 ppm
REL (USA)	Long-term value: 15 mg/m ³ , 3 ppm
TLV (USA)	Long-term value: 1* mg/m ³ , 0.2* ppm Skin; *inhalable fraction and vapor

1310-73-2 Sodium hydroxide

WES (Australia)	Peak limitation: 2 mg/m ³
WEL (Great Britain)	Short-term value: 2 mg/m ³
PEL (USA)	Long-term value: 2 mg/m ³
REL (USA)	Peak limitation: 2 mg/m ³
TLV (USA)	Peak limitation: 2 mg/m ³

Additional information: Based on the lists valid at the date of SDS creation.

Exposure controls:**PERSONAL PROTECTIVE EQUIPMENT****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Protective gloves.

Material of gloves:

Nitrile rubber.

PVC gloves.

Eye protection:

Safety glasses with side shield protection.



A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

Information on basic physical and chemical properties:**GENERAL INFORMATION****Appearance:**

Form:	Liquid.
Colour:	According to product specification.
Odour:	Characteristic.
Odour threshold:	Not determined.

pH-value (~) at 20 °C: 10

Change in conditions:-

Melting point/freezing point: Undetermined.

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Initial boiling point and boiling range:	Not determined.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Ignition temperature:	305 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
EXPLOSION LIMITS	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density at 20 °C:	1 g/cm ³
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/Miscibility with:-	
Water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
VISCOSITY	
Dynamic:	Not determined.
Kinematic:	Not determined.
Molecular weight	Not determined.
Other information:	No further relevant information available.

10 Stability and Reactivity

Reactivity:

Stable under normal conditions.
No further relevant information available.

Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.
No further relevant information available.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:

102-71-6 Triethanolamine

Oral	LD50	5,300 mg/kg (guinea pig) 6,400 mg/kg (rat - male)
Dermal	LD50	>10,000 mg/kg (rabbit)
	LC50, 96h	11,800 mg/l (fish)

27176-87-0 Dodecylbenzenesulphonic acid

Dermal	LD50	1,150 mg/kg (rat)
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111-42-2 Diethanolamine

Oral	LD50	710 mg/kg (rat)
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Dermal	LD50	8,328 mg/kg (rabbit)
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Primary irritant effect**Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/irritation** Causes serious eye damage.**Ingestion:** Harmful if swallowed.**Additional toxicological information:****102-71-6 Triethanolamine**

NOEC/NOEL | 16 mg/l (crustaceans) (Chronic NOEC)

Other information :

The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological Information

Toxicity:**AQUATIC TOXICITY****102-71-6 Triethanolamine**

EC50, 72h | 512 mg/l (algae)

EC50, 48h | 609.88 mg/l (daphnia magna)

Persistence and degradability: No further relevant information available.**BEHAVIOUR IN ENVIRONMENTAL SYSTEMS****Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.**ECOTOXICAL EFFECTS****Remark:** Toxic for fish**ADDITIONAL ECOLOGICAL INFORMATION****General notes:**

Toxic for aquatic organisms.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Also poisonous for fish and plankton in water bodies.

Results of PBT and vPvB assessment:**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects:** No further relevant information available.

13 Disposal considerations

Waste treatment methods:**Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Refer to State Land Waste Authority for disposal considerations.

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UNCLEANED PACKAGING**Recommendation:** Disposal must be made according to official regulations.**14 Transport information**

UN-Number ADG, IMDG, IATA	Not Regulated
UN proper shipping name ADG, IMDG, IATA	Not Regulated
Transport hazard class(es) ADG, ADN, IMDG, IATA Class	Not Regulated
Packing group ADG, IMDG, IATA	Not Regulated
Environmental hazards:	Not applicable.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Regulated
UN "Model Regulation":	Not Regulated

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

National regulations:**Other regulations, limitations and prohibitive regulations:** All ingredients are listed on AICS.**Registered in the international inventory lists:** AICS (Australia)**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

Department issuing SDS:

EHS Department,
Asia Pacific Region
SCIP, Canlubang, Calamba City, Laguna

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Philippines 4028
Tel: +63 (02) 8236-6820 to 24**Contact:****The first date of preparation:** 12.12.2019**Number of revision times and the latest revision date:** 1.0 / 04.10.2022

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