

Safety Data Sheet according to WHS Regulations

Date of issue: 31.03.2025

Version Number: 1.0

Revision Date: 31.03.2025

1 Identification

Other means of identification

Trade name: ***OPTEC EC 912***

Relevant identified uses of the substance or mixture, and uses advised against:

No further relevant information available.

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

Tel. +61 7-3275-7500

Fax +61 7-3275-7501

Further information obtainable from: 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 toxicity - oral – Category 4 H302 Harmful if swallowed.

Skin corrosion/irritation – Category 2 H315 Causes skin irritation.

Eye damage/irritation – Category 1 H318 Causes serious eye damage.

Reproductive toxicity – Category 2 H361 Suspected of damaging fertility or the unborn child.

Label elements:

GHS label elements The product is classified and labelled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

Nonylphenol polyethylene glycol ether
2-methylpentane-2,4-diol

Hazard statements

Harmful if swallowed.

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Causes skin irritation.

Causes serious eye damage.

Suspected of damaging fertility or the unborn child.

Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

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

Wear protective gloves/protective clothing/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.

IF exposed or concerned: Get medical advice/attention.

Immediately call a POISON CENTER/doctor.

Rinse mouth.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Store locked up.

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

Information concerning particular hazards for human and environment:**Description of Classification:** Classified as hazardous according to the criteria of Safe Work Australia.**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:**

107-41-5	2-methylpentane-2,4-diol ----- Reproductive toxicity – Category 2, H361 Skin corrosion/irritation – Category 2, H315; Eye Irrit. 2, H319 Flammable liquids – Category 4, H227	50-<100%
2943-75-1	Triethoxyoctylsilane ----- Skin corrosion/irritation – Category 2, H315	30-<50%
127087-87-0	Nonylphenol polyethylene glycol ether ----- Acute toxicity - oral – Category 3, H301 Eye damage/irritation – Category 1, H318 Acute toxicity - inhalation – Category 4, H332	10-<20%

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'.

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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.

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.

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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: Keep respiratory protective device available.

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

Appropriate engineering controls No further data; see section 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace:

107-41-5 2-methylpentane-2,4-diol

WEL (Great Britain)	Short-term value: 123 mg/m ³ , 25 ppm Long-term value: 123 mg/m ³ , 25 ppm
REL (USA)	Peak limitation: 125 mg/m ³ , 25 ppm
TLV (USA)	Short-term value: 10** mg/m ³ , 50* ppm Long-term value: 25* ppm *vapor **inh. fraction, aerosol only

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.

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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 (~): Not determined.

Change in conditions:-

Melting point/Melting range:	Undetermined.
Initial boiling point and boiling range:	Not determined.
Flash point:	Not applicable.

Flammability Not applicable.

Auto-ignition temperature: Not determined.

Decomposition temperature:	Not determined.
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
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.

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Partition coefficient: n-octanol/water: Not determined.

VISCOSITY

Dynamic: Not determined.

Kinematic: Not determined.

Molecular weight Not determined.

Other information:

Particle characteristics Not applicable.

Physical state Liquid

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:****127087-87-0 Nonylphenol polyethylene glycol ether**

LC50, 48h | 0.3-21.4 mg/kg (daphnia magna) (Test Guideline 203)

LC50, 96h | 3.8-6.2 mg/l (fish) (Test Guideline 203)

Primary irritant effect

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Ingestion: Harmful if swallowed.

Additional toxicological information: Suspected of damaging fertility or the unborn child.

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12 Ecological Information

Toxicity:

AQUATIC TOXICITY

127087-87-0 Nonylphenol polyethylene glycol ether

IC50, 16h >1,000 mg/l (bacterial)

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.

ADDITIONAL ECOLOGICAL INFORMATION

General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

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.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

ADR, IMDG, IATA

Not Regulated

UN proper shipping name

ADR, IMDG, IATA

Not Regulated

Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not Regulated

Packing group

ADR, IMDG, IATA

Not Regulated

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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

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:

Regulations under the Waste Management Act: the classification of waste according to its characteristics and compliance with the applicable laws and regulations are the responsibility of the waste producer, who must therefore scrupulously comply with the regulations under the Waste Management Act.

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:

H227 Combustible liquid.

H301 Toxic if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H361 Suspected of damaging fertility or the unborn child.

Department issuing SDS:

EHS Department,

Asia Pacific Region

GCP Applied Technologies Operations Center, Inc.,

CTP Asean Tower, Upper Penthouse, Unit 1,

2397 Asean Drive, Spectrum District, Filinvest Alabang, 1781,

Muntinlupa City, Philippines

Tel: + 63 2 8271 2300

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