

Safety Data Sheet
according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

1 Identification**Product identifier:**Trade name: ***TYTRO WR 176*****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:**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irritation 2A H319 Causes serious eye irritation.

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

GHS07

Signal word Warning**Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

Precautionary statements

Wash thoroughly after handling.

Wear protective gloves / eye protection / face protection.

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 skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

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

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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:

68951-72-4	2-Propanol, 1,1'-iminobis-, N-tallow alkyl derivs	Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302	1-<3%
29380-50-5	Propoxylated Diethylene Triamine	Skin Irrit. 2, H315; Eye Irritation 2A, H319	1-<3%

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: No special measures required.

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: Irritating to eyes.

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: 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.

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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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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: 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.

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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:	Yellow.
Odour:	Characteristic.
Odour threshold:	Not determined.

pH-value (~) at 20 °C:

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Change in conditions:-

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

Flammability (solid, gas): Not applicable.**Ignition temperature:** Not determined.**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:** 1.1 g/cm³**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.

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Hazardous decomposition products: Carbon monoxide and carbon dioxide**11 Toxicological Information****Information on toxicological effects:****ACUTE TOXICITY****LD/LC50 values relevant for classification:****68951-72-4 2-Propanol, 1,1'iminobis-, N-tallow alkyl derivs**

Oral | LD50 | 1,350 mg/kg (rat)

Primary irritant effect**Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.**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****68951-72-4 2-Propanol, 1,1'iminobis-, N-tallow alkyl derivs**

EC50, 72h | 0.03 mg/l (algae)

EC50, 48h | 0.011 mg/l (daphnia magna)

EC50, 96h | 0.11 mg/l (fish)

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:** Not known to be hazardous to water.**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:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

Department issuing SDS:

EHS Department,

Asia Pacific Region

SCIP, Canlubang, Calamba City, Laguna

Philippines 4028

Tel: +63 (02) 8236-6820 to 24

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Contact:**The first date of preparation:** 28.05.2021**Number of revision times and the latest revision date:** 1.0 / 29.09.2022

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