

Safety Data Sheet
in accordance with HSNO

Printing Date: 21.03.2024

Version Number: 1.0

Revision Date: 21.03.2024

1 Identification of the substance or mixture and of the supplier

Product identifier:

Trade name: **MIRA® VL10**

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

Further information obtainable from:

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

APMSDS@gcpat.com

Emergency telephone number:

CHEMWATCH - 00 800 2436 2255 (free call)
National Poison Centre - 0800 764-766 (0800 POISON)

2 Hazards identification

Classification of the substance or mixture:

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements:

GHS label elements Not classified.

Hazard pictograms Not classified.

Signal word Not classified.

Hazard statements Not classified.

Information concerning particular hazards for human and environment:

Description of Classification:

Classified as Non-hazardous Substance according to the criteria of the New Zealand Hazardous Substance New Organisms legislation.

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

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(Contd. of page 1)

3 Composition/Information on ingredients

Chemical characterization: Mixture:

Dangerous components:

102-71-6	Triethanolamine	1-<3%
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
68951-72-4	2-Propanol, 1,1'-iminobis-, N-tallow alkyl derivs	0.1-<0.5%
	Skin Corr. 1B, H314; Eye Dam. 1, H318	
	Aquatic Acute 1, H400; Aquatic Chronic 2, H411	
55965-84-9	Acute Tox. 4, H302	0-<0.05%
	a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2 H -isothiazol-3-one (3:1)	
	Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330	
	Skin Corr. 1C, H314; Eye Dam. 1, H318	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	Skin Sens. 1A, H317	

4 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: No further relevant information available.

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.

(Contd. on page 3)

NZ

Safety Data Sheet in accordance with HSNO

Printing Date: 21.03.2024

Version Number: 1.0

Revision Date: 21.03.2024

Trade name: **MIRA® VL10**

(Contd. of page 2)

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.

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/personal protection

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

Ingredients with limit values that require monitoring at the workplace:

102-71-6 Triethanolamine

WES (New Zealand)	Long-term value: 1 mg/m ³
WES (Australia)	Long-term value: 5 mg/m ³
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Additional information: Based on the lists valid at the date of SDS creation.

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.

(Contd. on page 4)

NZ

Safety Data Sheet in accordance with HSNO

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Revision Date: 21.03.2024

Trade name: **MIRA® VL10**

(Contd. of page 3)



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

Body protection: Use personal protective equipment as required.

9 Physical and chemical properties

GENERAL INFORMATION

Appearance:

Form:

Liquid.

Colour:

Green.

Odour:

Characteristic.

Odour threshold:

Not determined.

pH-value (~) at 20 °C:

5

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.

Auto-ignition temperature:

Not determined.

Decomposition temperature:

Not determined.

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/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.

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.

(Contd. on page 5)

NZ

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(Contd. of page 4)

Incompatible materials: No further relevant information available.**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects:

ACUTE TOXICITY Based on available data, the classification criteria are not met.

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)

68951-72-4 2-Propanol, 1,1'iminobis-, N-tallow alkyl derivs

Oral	LD50	1,350 mg/kg (rat)
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55965-84-9 a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2 H -isothiazol-3-one (3:1)

Oral	LD50	53 mg/kg (rat)
Dermal	LD50	141 mg/kg (rat)
Inhalative	LC50, 4h	0.31 mg/l (rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.

Additional toxicological information:

102-71-6 Triethanolamine

NOEC/NOEL	16 mg/l (crustaceans) (Chronic NOEC)
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12 Ecological information

Toxicity:

AQUATIC TOXICITY

102-71-6 Triethanolamine

EC50, 72h	512 mg/l (algae)
EC50, 48h	609.88 mg/l (daphnia magna)

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)

55965-84-9 a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2 H -isothiazol-3-one (3:1)

EC50, 48h	0.16 mg/l (algae)
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(Contd. on page 6)

NZ

Safety Data Sheet

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(Contd. of page 5)

LC/EC/IC50 0.018 mg/l (algae) (IC50, 72h)

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.**13 Disposal considerations****Waste treatment methods:****Recommendation:**

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

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

UN-Number NZS, IMDG, IATA	Not Regulated
UN proper shipping name NZS, IMDG, IATA	Not Regulated
Transport hazard class(es) NZS, ADN, IMDG, IATA Class	Not Regulated
Packing group NZS, 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

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

See Section 2 for hazard identification.

(Contd. on page 7)

NZ

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(Contd. of page 6)

Registered in the international inventory lists: NZIoC (New Zealand)**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.

Department issuing SDS:

EHS Department,
Asia Pacific Region
SCIP, Canlubang, Calamba City, Laguna
Philippines 4028
Tel: +63 (02) 8236-6820 to 24

The first date of preparation: 18.08.2023**Number of revision times and the latest revision date:** 1.0 / 21.03.2024

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