

**Safety Data Sheet
in accordance with HSNO**

Printing Date: 18.11.2024

Version Number: 1.0

Revision Date: 18.11.2024

1 Identification of the substance or mixture and of the supplier**Product identifier:**Trade name: ADVA® CAST 620

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:**

CHEMWATCH - 00 800 2436 2255 (free call)

National Poison Centre - 0800 764-766 (0800 POISON)

2 Hazards identification**Classification of the substance or mixture:**

Hazardous to the aquatic environment chronic Category 3 H412 Harmful to aquatic life with long lasting effects.

Label elements:**GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).**Hazard pictograms** Not classified.**Signal word** Not classified.**Hazard statements**

Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.

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 Substance according to the criteria of the New Zealand Hazardous Substance New Organisms legislation.

HSNO Group Standard : Construction Products (Subsidiary Hazard) Group Standard 2017**HSNO Approval Number :** HSR002544**Other hazards:****Results of PBT and vPvB assessment:****PBT:** Not applicable.

(Contd. on page 2)

NZ

Safety Data Sheet

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Version Number: 1.0

Revision Date: 18.11.2024

Trade name: ADVA® CAST 620

(Contd. of page 1)

vPvB: Not applicable.

3 Composition/Information on ingredients

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

Dangerous components:

140-07-8	Tetrahydroxyethylethylenediamine ----- Eye irritation Category 2, H319	3-<5%
68951-72-4	2-Propanol, 1,1'iminobis-, N-tallow alkyl derivs ----- Skin corrosion Category 1B, H314; Serious eye damage Category 1, H318 Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 2, H411 Acute oral toxicity Category 4, H302	0.1-<1%
9036-19-5	Polyethylene glycol mono(octylphenyl) ether ----- Serious eye damage Category 1, H318 Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 2, H411 Acute oral toxicity Category 4, H302	0.1-<0.3%
61790-33-8	Tallow alkyl amines ----- Specific target organ toxicity - repeated exposure Category 2, H373 Skin corrosion Category 1B, H314 Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 1, H410 Acute oral toxicity Category 4, H302	0-<0.05%
55965-84-9	a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2 H -isothiazol-3-one (3:1) ----- Acute oral toxicity Category 3, H301; Acute dermal toxicity Category 2, H310; Acute inhalation toxicity Category 2, H330 Skin corrosion Category 1C, H314; Serious eye damage Category 1, H318 Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 1, H410 Skin sensitisation Sub-category 1A, H317	0-<0.05%

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.

 -NZ
 (Contd. on page 3)

Safety Data Sheet
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(Contd. of page 2)

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.

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:**

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.**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.

(Contd. on page 4)

Safety Data Sheet in accordance with HSNO

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Version Number: 1.0

Revision Date: 18.11.2024

Trade name: **ADVA® CAST 620**

(Contd. of page 3)

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.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties

GENERAL INFORMATION

Appearance:

Form:

Liquid.

Colour:

Yellow/Gold

Odour:

Characteristic.

Odour threshold:

Not determined.

pH-value (~) at 20 °C:

6

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.

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.

(Contd. on page 5)

NZ

Safety Data Sheet

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Revision Date: 18.11.2024

Trade name: **ADVA® CAST 620**

(Contd. of page 4)

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

Oral	LD50	1,350 mg/kg (rat)
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9036-19-5 Polyethylene glycol mono(octylphenyl) ether

Oral	LD50	1,700 mg/kg (rat)
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	LC50, 96h	5 mg/l (fish)
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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)
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Dermal	LD50	141 mg/kg (rat)
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Inhalative	LC50, 4h	0.31 mg/l (rat)
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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.

NZ

(Contd. on page 6)

Safety Data Sheet

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Version Number: 1.0

Revision Date: 18.11.2024

Trade name: **ADVA® CAST 620**

(Contd. of page 5)

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)

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)
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:

Harmful to aquatic organisms.

Harmful to aquatic life with long lasting effects.

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

(Contd. on page 7)

NZ

Safety Data Sheet in accordance with HSNO

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(Contd. of page 6)

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

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.

HSNO Group Standard Construction Products (Subsidiary Hazard) Group Standard 2017**HSNO Approval Number** HSR002544**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

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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