

**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 640***

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.

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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	1-<3%
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.

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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: 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.

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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.

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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.

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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

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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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