

Safety Data Sheet in accordance with HSNO

Printing Date: 14.11.2022

Version Number: 1.0

Revision Date: 14.11.2022

1 Identification of the substance or mixture and of the supplier

Product identifier:

Trade name: ***DARASET® AF***
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:

CHEMWATCH - 00 800 2436 2255 (free call)

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

2 Hazards identification

Classification of the substance or mixture:

Acute Tox. 4 H302 Harmful if swallowed.

Eye Dam. 1 H318 Causes serious eye damage.

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

Hazard pictograms


GHS05 GHS07

Signal word Danger

Hazard-determining components of labelling:

Calcium nitrate tetrahydrate

Hazard statements

Harmful if swallowed.

Causes serious eye damage.

Precautionary statements

Wash thoroughly after handling.

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

Wear eye protection / face protection.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Immediately call a POISON CENTER/doctor.

Rinse mouth.

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.**vPvB:** Not applicable.

3 Composition/Information on ingredients

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

13477-34-4	Calcium nitrate tetrahydrate	Eye Dam. 1, H318 Acute Tox. 4, H302	50-<100%
102-71-6	Triethanolamine	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-<3%

4 First aid measures

Description of first aid measures:
General information: Get medical advice/attention if you feel unwell.
After inhalation:

IF INHALED: Remove person to fresh air and keep 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.
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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.

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/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:

102-71-6 Triethanolamine

WES (New Zealand)	Long-term value: 5 mg/m ³
WES (Australia)	Long-term value: 5 mg/m ³
	Sen

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.

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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:

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.

9 Physical and chemical properties

Information on basic physical and chemical properties:

GENERAL INFORMATION**Appearance:**

Form:	Liquid.
Colour:	Clear brown
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.

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: 1.5 g/cm³

Vapour density: Not determined.

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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

Although not classified as dangerous, this product can produce toxic and very toxic fumes in the presence of acids or in fire situations.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx).

11 Toxicological information

Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:

13477-34-4 Calcium nitrate tetrahydrate

Oral	LD50	500 mg/kg (rat)
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102-71-6 Triethanolamine

Oral	LD50	5,300 mg/kg (guinea pig)
		6,400 mg/kg (rat - male)
	LD50	>10,000 mg/kg (rabbit)
		LC50, 96h

Primary irritant effect

Skin corrosion/irritation No irritating effect.

Serious eye damage/irritation Causes serious eye damage.

Ingestion: Harmful if swallowed.

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Additional toxicological information:**102-71-6 Triethanolamine**

NOEC/NOEL 16 mg/l (crustaceans) (Chronic NOEC)

12 Ecological information**Toxicity:****AQUATIC TOXICITY****102-71-6 Triethanolamine**

EC50, 72h 512 mg/l (algae)

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

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.**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.

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.

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

Contact:
The first date of preparation: 14.11.2022**Number of revision times and the latest revision date:** 1.0 / 14.11.2022

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