

## Safety Data Sheet according to WHS Regulations

Printing Date: 30.09.2022

Version Number: 1.0

Revision Date: 30.09.2022

### 1 Identification

**Product identifier:**Trade name: DARACCEL 46**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:**

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

**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.

Immediately call a POISON CENTER/doctor.

Rinse mouth.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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### Information concerning particular hazards for human and environment:

**Safety phrases:**
**Ingestion:**

Large amounts of nitrates/nitrites may cause nausea, vomiting, cyanosis (due to methemoglobin formation), abnormally slow respiration, collapse and coma.

**Description of Classification:** Classified as hazardous according to the criteria of Safe Work Australia.

**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:**

10124-37-5	Calcium nitrate	Eye Dam. 1, H318 Acute Tox. 4, H302	20-<25%
10043-52-4	Calcium chloride	Eye Irritation 2A, H319	10-<20%

**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:**

IF INHALED: Remove victim to fresh air and keep at rest in a position 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

**Suitable extinguishing agents:**

This material, if dried to a solid powder-like form, will become an oxidizer, which may provide oxygen to combustible materials.

**Special hazards arising from the substance or mixture:** No further relevant information available.

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**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:

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 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.

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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:**

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 and wash before reuse.

### 9 Physical and Chemical Properties

#### Information on basic physical and chemical properties:

##### GENERAL INFORMATION

**Appearance:**

<b>Form:</b>	Liquid.
<b>Colour:</b>	Light brown
<b>Odour:</b>	Characteristic.
<b>Odour threshold:</b>	Not determined.

**pH-value (~) at 20 °C:** 8

**Change in conditions:-**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Not determined.
<b>Flash point:</b>	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

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapour pressure:** Not determined.

**Density at 20 °C:** 1.4 g/cm<sup>3</sup>

**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.

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<b>Molecular weight</b>	Not determined.
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<b>Other information:</b>	No further relevant information available.
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### 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.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### 11 Toxicological Information

**Information on toxicological effects:**
**ACUTE TOXICITY**
**LD/LC50 values relevant for classification:**
**10124-37-5 Calcium nitrate**

Oral	LD50	302 mg/kg (rat)
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**Primary irritant effect**
**Skin corrosion/irritation** No irritating effect.

**Serious eye damage/irritation** Causes serious eye damage.

**Ingestion:** Harmful if swallowed.

**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** No further relevant information available.

**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.

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**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.

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

<b>UN-Number</b> ADG, IMDG, IATA	Not Regulated
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<b>UN proper shipping name</b> ADG, IMDG, IATA	Not Regulated
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<b>Transport hazard class(es)</b> ADG, ADN, IMDG, IATA Class	Not Regulated
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<b>Packing group</b> ADG, IMDG, IATA	Not Regulated
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<b>Environmental hazards:</b>	Not applicable.
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<b>Special precautions for user:</b>	Not applicable.
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<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not Regulated
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**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.

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**Relevant phrases:**

H302 Harmful if swallowed.  
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

**Contact:****The first date of preparation:** 21.03.2022**Number of revision times and the latest revision date:** 1.0 / 30.09.2022

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