

SAFETY DATA SHEET

9918200 CALCIPRILL-TK



Version 1.0 (GHS_NZ) Revision Date: 22.10.2020 SDS Number: PR99182-00 Date of last issue: -
Date of first issue: 22.10.2020

Section 1: Identification

Product name : CALCIPRILL-TK

Manufacturer or supplier's details

Company : Omya New Zealand Ltd.
Address : 260 Hangatiki East Road
Te Kuiti WKO 3986
Telephone :
Emergency telephone number : Chemtrec +(64)-98010034
Recommended use : Feed industry
Agricultural Industry

Section 2: Hazard identification

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

None known.

Section 3: Composition/information on ingredients

Substance / Mixture : Substance
Substance name : Calcium carbonate (GCC) coated fine powder
CAS-No. : 1317-65-3

Components

Chemical name	CAS-No.	Concentration (% w/w)
Natural Calcium Carbonate	1317-65-3	>= 92 -< 93
sucrose	57-50-1	>= 3 -< 4

Section 4: First-aid measures

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.
In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.

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If swallowed : Protect unharmed eye.
Keep eye wide open while rinsing.
Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : None known.

Section 5: Fire-fighting measures

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific extinguishing methods : Standard procedure for chemical fires.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Sweep up and shovel.
Keep in suitable, closed containers for disposal.

Section 7: Handling and storage

Advice on protection against fire and explosion : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

Hygiene measures : General industrial hygiene practice.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : Do not store near acids.

Further information on storage stability : Keep in a dry place.
No decomposition if stored and applied as directed.

Section 8: Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Natural Calcium Carbonate	1317-65-3	WES-TWA	10 mg/m3	NZ OEL

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			(Calcium carbonate)	
sucrose	57-50-1	WES-TWA	10 mg/m3	NZ OEL

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Half mask with a particle filter P2 (EN 143)

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Section 9: Physical and chemical properties

Appearance : powder

Colour : white

Odour : characteristic

Odour Threshold : Not relevant

pH : 8.5 - 9.5 (20 °C)
Concentration: 100 g/l
Method: DIN-ISO 787/9

Melting point/range : > 800 °C
(1,013 hPa)
Decomposition: Decomposes below the melting point.

Boiling point/boiling range : Decomposition: Decomposes below the boiling point.

Flash point : does not flash

Flammability (solid, gas) : The product is not flammable.

Burning number : 1

Upper explosion limit / Upper flammability limit : Upper flammability limit
Not applicable

Lower explosion limit / Lower flammability limit : Lower flammability limit
Not applicable

Vapour pressure : Not applicable

Density : 2.3 - 2.8 g/cm3 (20 °C, 1,013 hPa)
Method: DIN-ISO 787/10

Solubility(ies)
Water solubility : 0.014 g/l (20 °C, 1,013 hPa)

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Partition coefficient: n-octanol/water : Not applicable
Auto-ignition temperature : Not applicable
Decomposition temperature : > 600 °C
Explosive properties : Not explosive
Not explosive
Minimum ignition energy : > 1,000 mJ (20 °C, 1,013 hPa)

Section 10: Stability and reactivity

Reactivity : Stable under recommended storage conditions.
Chemical stability : No decomposition if stored and applied as directed.
Possibility of hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.
Reacts with acids. It forms carbon dioxide (CO₂). This displaces the oxygen in the air in closed spaces. (danger of suffocation).
Conditions to avoid : No data available
Hazardous decomposition products : Carbon dioxide (CO₂)

Section 11: Toxicological information

Acute toxicity

Product:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Components:

Natural Calcium Carbonate:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

sucrose:

Acute oral toxicity : No data available

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Respiratory or skin sensitisation

Product:

No data available

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Chronic toxicity

Further information

Product:

No data available

Section 12: Ecological information

Ecotoxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l
Exposure time: 72 h

EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l
Exposure time: 72 h

Components:

Natural Calcium Carbonate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

sucrose:

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae/aquatic plants : No data available

Persistence and degradability

Product:

Biodegradability : Not applicable

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Bioaccumulative potential

Components:

Natural Calcium Carbonate:

Partition coefficient: n-octanol/water : Not applicable

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : In solid state these minerals are a major part of the rocks of the earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should therefore be excluded. Restrictions may indicate that concentrated suspensions with these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and - fauna in the sediment and subsequent detriment to the existence of higher water organisms).

Components:

Natural Calcium Carbonate:

Results of PBT and vPvB assessment : Non-classified PBT substance Non-classified vPvB substance

Section 13: Disposal considerations

Disposal methods

Waste from residues : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport information

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

Not applicable for product as supplied.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

Not applicable

HSW Controls

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

Section 16: Other information

Date format : dd.mm.yyyy

Full text of other abbreviations

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

AICS - Australian Inventory of Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety

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and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.