

Prepared in accordance with Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, February 2016)

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: CANNA RHIZOTONIC

Synonym(s): -

Relevant identified uses of the substance or mixture and uses advised

against: Root stimulator.

Product

category: Product Category 12 (PC12 Fertilizers),
Sector of Use 21 (SU21 Consumer uses).

Details of the supplier of the safety data sheet

Manufacturer/supplier:

For Australia:

CANNA Australasia Pty Ltd
PO Box 1816,
Subiaco WA 6904 Australia
Phone: 1800 422 662 / +61 (0)8 9217 4400

For New Zealand:

CANNA Australasia Pty Ltd
PO Box 158,
Auckland 1140, New Zealand
Phone: 0800 422 662 / +61 (0)8 9217 4400

Further information obtainable from:

Contact person: N. Linton
Tel.: +31 (0) 162-68 00 12
Email: msds@canna.com
Working hours
(business days): 09:00-17:00.

Emergency telephone number:

Australia :	Poisons Information Centre	13 11 26
New Zealand:	National Poisons Centre	0800 764 766

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification in accordance with GHS, 3rd Revised Edition

Void.

Label elements and precautionary statement

Hazard pictograms:

-

Signal word: -

Hazard statements:

-

Precautions:

-

Hazard-determining components for labelling: -

Trade name: CANNA RHIZOTONIC

Other hazards

Void.

Results of PBT and vPvB assessment

PBT: No.

vPvB: No.

SECTION 3: Composition/information on ingredients

Chemical characterization: Mixture.

Description: Preparation based on soil bacteria in liquid form, from brown algae in a watery solution with polyelectrolyte properties, cation exchanger.
Contains galacturonic acid (CAS# 685-73-4, EC# 211-682-6), iodine, trace elements, salts.

Hazardous ingredients

Iodine.

CAS#: 7553-56-2

EC#: 231-442-4

Index#: -

REACH reg.#: -

Content (W/W): No data.

Danger:

1272/2008/EC: Acute Tox. 4; H312, H332 - Aquatic Acute 1; H400.

Full text of H- phrase(s): see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information:

Remove immediately all contaminated clothing.

Consult a physician in case of persistent complaints.

Inhalation:

Remove victim to fresh air.

Skin contact:

Immediately wash off with plenty of water.

Eye contact:

Remove contact lenses, if present, and immediately rinse eyes while holding eyelids open for a sufficient period of time (at least 15 minutes) with lukewarm water. Help the victim with the rinsing process. If symptoms persist after rinsing, consult a physician or an ophthalmologist.

Ingestion:

Rinse mouth and drink plenty of water. Consult a physician if symptoms appear.

Most important symptoms and effects, both acute and delayed

Inhalation:

No information available on symptoms. Limited or no immediate danger expected.

Skin contact:

No information available on symptoms. Limited or no immediate danger expected.

Eye contact:

Severe irritation.

Ingestion:

No information available on symptoms. Limited or no immediate danger expected.

Indication of any immediate medical attention and special treatment needed

Trade name: CANNA RHIZOTONIC

Symptomatic treatment and supportive therapy as prescribed.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

CO2, extinguishing powder or water jet. Fight larger fires with water spray.

Foam.

Sand.

Adapt extinguishing measures to suit the environment.

Unsuitable extinguishing media:

None.

Special hazards arising from the substance or mixture

None.

Advice for firefighters

Special protective clothing:

Wear self-contained breathing apparatus.

Other information

None.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure sufficient ventilation.

Wear personal protective equipment.

Environmental precautions

Do not allow large quantities to reach sewage/surface water/groundwater.

Methods and material for containment and cleaning up

Soak up immediately with absorbent material (sand, dry earth).

Recycle, if possible.

Collect in suitable containers for disposal.

Then flush away residue with plenty of water.

Reference to other sections

Information regarding safe handling – see section 7.

Information regarding personal protective equipment – see section 8.

Information regarding disposal – see section 13.

SECTION 7: Handling and storage

Handling

Precautions for safe handling:

Open and handle package with care.

Wear suitable protective clothing.

Ventilation is recommended.

Trade name: CANNA RHIZOTONIC

Do not eat or drink during use.

Information about fire - and explosion protection:

No specific requirements.

Conditions for safe storage, including any incompatibilities

Storage:

Keep container tightly closed in a well-ventilated area.

Requirements to be met by storerooms and receptacles:

Preferably keep in the original packaging.

Keep in a dark place.

Store in a frost-free environment.

Suitable packaging material: Polyethylene, stainless steel.

Suitable material for tanks and pipelines: No data.

Unsuitable material for tanks and pipe conduits: No data.

Information about storage in one common storage facility:

Install partitions in the drip tray to prevent acidic and alkaline fertilisers from coming into contact with one other.

Store separately from strong acids.

Further information about storage conditions:

Recommended storage temperature 10 - 30 °C.

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Control parameters

No data.

Exposure controls

Personal protective equipment:

Remove immediately all contaminated clothing.

Avoid contact with the eyes.

General protective and hygienic measures:

Keep away from foodstuffs and beverages.

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

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Not required with normal ventilation, respiratory protection in case of insufficient ventilation.

Hand protection:



Safety gloves: use is recommended but not mandatory.

Eye protection:



Use close-fitting safety goggles with risk of spatter.

Body protection:

Wear suitable protective work clothing (in case of splash risk).

Measuring procedures:

No data.

Environmental exposure controls:

No specific requirements.

Trade name: **CANNA RHIZOTONIC**

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

General information

Appearance

Form:	Liquid.
Colour:	Brown.
Odour:	Salty.
Odour threshold:	Not determined.
pH-value:	< 11 (undiluted).

Change in condition

Melting point/melting range:	Not determined.
Boiling point/boiling range:	Not determined.
Flash point:	> 93 °C.
Flammability (solid, gas):	Not applicable.
Auto-ignition temperature:	Not determined.
Explosion hazard:	Not determined.

Explosive limits

Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20°C:	Not determined.

Relative density: Approx. 1.000 (water = 1).

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in/miscibility with water:

Fully.

Partition coefficient:

n-octanol/water: Not determined.

Viscosity

Dynamic at 20°C: Not determined.

Kinematic: Not determined.

Other information

No further relevant information available.

SECTION 10: Stability and reactivity

Reactivity

Chemical stability:

The product is stable if stored and handled as prescribed.

Thermal decomposition/Conditions to be avoided:

The product is stable if used as prescribed. Avoid storing at high temperatures (> 35 °C) to prevent degradation of the material or pressure build-up. Avoid low temperatures (< 10 °C) to prevent crystallization from occurring.

Material is susceptible to frost.

Possibility of hazardous reactions

No data.

Conditions to avoid

Prevent evaporation in a non-ventilated environment. Protect against heat and direct sunlight. Protect against frost.

Incompatible materials

No data.

Hazardous decomposition products

Trade name: CANNA RHIZOTONIC

No hazardous decomposition products are formed if stored under normal conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity from the components:

No data.

The following health risk assessment is based on an assessment of the various ingredients in the product.

Primary irritant effect:

on the skin:

No further relevant information available.

on the eye:

No further relevant information available.

Germ cell mutagenicity:

Not classified.

Reproductive and developmental toxicity:

Not classified.

Sensitisation:

No sensitising effects known.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Not classified.

Other information:

No further relevant information available.

SECTION 12: Ecological information

Toxicology information

Ecotoxicity from the components:

No data.

The following ecological risk assessment is based on an assessment of the various ingredients in the product.

Persistence and degradability

Expected to be biodegradable.

Behaviour in environmental compartments

Bioaccumulative potential:

Bioaccumulation in organisms is not expected.

Mobility in soil:

No further relevant information available.

Further ecological information

General information:

Water hazard class N.W.G (German regulation) (Self-assessment): not hazardous to water. Do not discharge undiluted product into groundwater or surface water.

Results of PBT and vPvB assessment

The mixture does not meet all of the assessment criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Trade name: CANNA RHIZOTONIC

Other adverse effects

No data.

SECTION 13: Disposal considerations

Waste treatment methods

Recommendation:

May be brought to a supervised incineration plant in compliance with local regulations.

EC Regulation for Disposal of Waste (EWC):

06 10 01 WASTES FROM INORGANIC CHEMICAL PROCESSES, waste from nitrogen chemical processes and fertilizer manufacture.

Uncleaned packaging

Recommendation:

Disposal must be made according to official regulations. Empty the packaging with care. Do not contaminate soil, water or environment with the waste container. Comply with local regulations with regard to the recovery or disposal of waste.

SECTION 14: Transport information

Land transport ADR/RID (cross-border)

ADR/GGVSEB class: Not a dangerous good according to the transport regulations.
Hazard identification number: -
UN number: -
Packing group: -
Label: -
Special marking: -
Proper shipping name from the
UN Model Regulations: -
Tunnel restriction code: -

Inland shipping ADN/ADR

ADN/R-class: -
UN number: -
Subsidiary risk
Environmental hazards: -
CMR properties: -
Buoyancy: -

Maritime transport IMDG

IMDG-class: -
UN number: -
Label: -
Packing group: -
EMS number: -
Marine pollutant: -
Proper technical name: -

Air transport ICAO-TI and IATA-DGR

ICAO/IATA-class: -
UN number: -
Label: -
Packing group: -
Proper technical name: -

Trade name: CANNA RHIZOTONIC

Environmental hazards

No.

Special precautions for user

None.

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

No further relevant information available.

SECTION 15: Regulatory information

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

National regulations:

Agricultural and Veterinary Chemicals Act 1988 (Commonwealth)- Australia
New Zealand Inventory of Chemicals (NZIoC)

EU regulations and directives which affect this mixture (not yet directly or indirectly mentioned):

Directive 89/686/EEC Personal protective equipment.
Directive 98/24/EC Risks related to chemical agents at work.
Regulation 2003/2003/EC Concerning fertilisers.

Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

This information is based on the current state of our knowledge. It should not be construed as any guarantee of product characteristics, nor does it establish a legally valid contractual relationship.

List of relevant H- phrases from sections 2 and 3

H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.

Document history

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
P: Marine pollutant
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EC50: Half maximal effective concentration
HSNO: Hazardous Substances and New Organisms Act 1996
LC50: Lethal concentration, 50 percent

Trade name: CANNA RHIZOTONIC

LD50:	Lethal dose, 50 percent
OEL:	Occupational Exposure Limit
NOEC:	No Observed Effect Concentration
NZIoC	New Zealand Inventory of Chemicals
vPvB:	Very Persistent and Very Bioaccumulative
PBT	Persistent, Bioaccumulative and Toxic substance
EWC:	European Waste Catalogue
TWA	Time-Weighted Average
DNEL:	Derived No-Effect Level
DMEL:	Derived Minimal Effect Level
PNEC:	Predicted No-Effect Concentration