

Safety Data Sheet

according to WHS Regulations

Printing date 04.07.2018

Reviewed on 04.07.2018

Not classified as hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

- **Product identifier**
- **Trade name:** Calcio-H No.1
- **Catalogue number:**
00511031, (4)511030BT, (4)511031BT, 00511030BT, 00511031BT, (4)517761-1BT, (4)517762-1BT, 00511039, 00511039BT
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Application of the substance / the mixture:** Reagent for water analysis
- **Manufacturer/Supplier:**
Waterlilly Australia Pty Ltd
(ABN 86 079 391 503)
PO Box 48
Haberfield NSW 2045
Phone : 02 9798 9975
Email : water-lilly@bigpond.com
- **Emergency telephone number:**
Australian Poisons Information Centre - 24 Hour Telephone Advice Line
Address
PO Box 11
Woden, 2606 ACT
Phone : 13 11 26 (24 hours)

2 Hazard(s) Identification

- **Classification of the substance or mixture** The product is not classified as hazardous.
- **Label elements**
- **Hazard pictograms** none
- **Signal word** none
- **Hazard statements** none
- **Other hazards** No further relevant information available.

3 Composition and Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** mixture of organic compounds
- **Composition and Information on Ingredients:** none

4 First Aid Measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes (at least 15 min) under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink 1-2 glasses of water.
If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed**
after swallowing of large amounts:
thirst
sickness
vomiting
- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

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5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Water, Carbon dioxide (CO₂), Foam, Fire-extinguishing powder
- **Special hazards arising from the substance or mixture**
 - Can burn in fire.
 - Formation of toxic gases is possible during heating or in case of fire.
 - In case of fire, the following can be released:
 - nitrous gases
 - Sulfur oxides (SO_x)
 - Nitrogen oxides (NO_x)
 - Carbon monoxide (CO) and carbon dioxide (CO₂)
- **Advice for firefighters**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information**
 - Collect contaminated fire fighting water separately. It must not enter the sewage system.
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 - Ambient fire may liberate hazardous vapours.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
- **Advice for non-emergency personnel:** No special measures required.
- **Advice for emergency responders:** Protective equipment: see section 8
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
 - Ensure adequate ventilation.
 - Pick up mechanically.
 - Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and Storage

- **Precautions for safe handling**
- **Advice on safe handling:** No special precautions are necessary if used correctly.
- **Hygiene measures:**
 - The usual precautionary measures for handling chemicals should be followed.
 - Wash hands before breaks and at the end of work.
 - Do not eat, drink or smoke when using this product.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
 - Requirements to be met by storerooms and receptacles:** Store in a cool location.
 - Information about storage in one common storage facility:** Not required.
 - Further information about storage conditions:**
 - Protect from heat and direct sunlight.
 - Protect from exposure to the light.
 - Store in dry conditions.
 - Protect from humidity and water.
 - Recommended storage temperature:** 20°C +/- 5°C (approx. 68°F)
 - Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Control parameters**
- **Components 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.

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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Engineering measures:**
Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See item 7.
- **Personal protective equipment:**
- **Breathing equipment:** Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Recommended filter device for short term use:** Filter P1
- **Protection of hands:**
Preventive skin protection by use of skin-protecting agents is recommended.
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.11 mm
- **Penetration time of glove material**
Value for the permeation: Level ≤ 1 (10 min)
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Safety glasses
use against the effects of fumes / dust
- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment:**
Do not allow product to reach sewage system or any water course.

9 Physical and Chemical Properties

| | |
|--|-----------------|
| · Information on basic physical and chemical properties | |
| · Appearance: | |
| Form / Physical state: | Solid |
| Color: | Pink |
| · Odor: Odorless | |
| · Odor threshold: Not applicable. | |
| · pH-value (8.7 g/l) at 20°C (68°F): 4.3 | |
| · Melting point/freezing point: Not determined. | |
| · Initial boiling point and boiling range: Not determined. | |
| · Flash point: Not determined. | |
| · Flammability (solid, gas): Not determined. | |
| · Decomposition temperature: Not determined. | |
| · Auto-ignition temperature: Product is not self-igniting. | |
| · Danger of explosion: As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion. | |
| · Flammability or explosive limits: | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| · Oxidizing properties: none | |
| · Vapor Pressure: Not applicable. | |
| · Density: Not determined. | |
| · Relative density: Not determined. | |
| · Vapor density: Not applicable. | |
| · Evaporation rate: Not applicable. | |
| · Solubility(ies) | |
| Water: | Soluble. |
| · Partition coefficient (n-octanol/water): Not applicable. | |
| · Viscosity: Not applicable. | |

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| | |
|---|---------|
| · Solvent content: | |
| Organic solvents: | 0.0 % |
| Solids content: | 100.0 % |
| · Other information No further relevant information available. | |

10 Stability and Reactivity

- **Reactivity** Risk of dust explosion.
- **Chemical stability** Stable at ambient temperature (room temperature).
- **Possibility of hazardous reactions**
Reacts with oxidizing agents.
--> Forms heat.
- **Conditions to avoid** Strong heating (decomposition)
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** see section 5

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** The following statements refer to the mixture:
- **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 (specific target organ toxicity) -single exposure** Based on available data, the classification criteria are not met.
- **STOT (specific target organ toxicity) -repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** Avoid transfer into the environment.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

| | |
|---|--|
| · UN-Number · ADG, IMDG, IATA | none |
| · UN proper shipping name · ADG, IMDG, IATA | none |
| · Transport hazard class(es) · ADG, IMDG, IATA · Class | none |
| · Packing group · ADG, IMDG, IATA | none |
| · 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 applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |

15 Regulatory information

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

| |
|---|
| · Australian Inventory of Chemical Substances (AICS) |
| All ingredients are listed. |
| · Standard for the Uniform Scheduling of Drugs and Poisons |
| None of the ingredient is listed. |
| · Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: |
| None of the ingredients is listed. |

- **Information about limitation of use:** Not required.
- **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.

- **Date of preparation / last revision** 04/07/2018/5

- **Abbreviations and acronyms:**

STOT: specific target organ toxicity

SE: single exposure

RE: repeated exposure

EC50: half maximal effective concentration

IC50: half maximal inhibitory concentration

NOEL or NOEC: No Observed Effect Level or Concentration

ACGIH® - American Conference of Governmental Industrial Hygienists

•A1 - Confirmed human carcinogen

•A2 - Suspected human carcinogen

•A3 - Confirmed animal carcinogen with unknown relevance to humans

•A4 - Not classifiable as a human carcinogen

•A5 - Not suspected as a human carcinogen

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

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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Trade name: Calcio-H No.1

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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· Sources

Data arise from safety data sheets, reference works and literature.

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