Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CONTAIN 5000
Other means of identification: Not applicable.
Recommended use: Sanitizer
Restrictions on use: Reserved for industrial and professional use.
Product dilution information: 0.8% - 0.8%

Company: ECOLAB PTY LTD
2 Drake Avenue
Macquarie Park, NSW Australia 2113
1 800 022 002

Emergency telephone number: 1800 205 506, +64 7 958 2372
Issuing date: 18.05.2020

Section: 2. HAZARDS IDENTIFICATION

GHS Classification
Product AS SOLD
Oxidizing solids: Category 2
Acute toxicity (Oral): Category 4
Serious eye damage/eye irritation: Category 1

Product AT USE DILUTION
Not a hazardous substance or mixture.

GHS Label element
Product AS SOLD
Hazard pictograms:  

Signal Word: Danger
Hazard Statements: May intensify fire; oxidiser.
Harmful if swallowed.
Causes serious eye damage.

Precautionary Statements: Prevention:
Keep away from heat. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/eye protection/face protection.
Response: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. IF SWALLOWED: Call a POISON CENTER or doctor/
physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal:
Dispose of contents/container to an approved waste disposal plant.

**Product AT USE DILUTION**

Precautionary Statements:

Prevention:
Wash hands thoroughly after handling.

Response:
Get medical advice/attention if you feel unwell.

Storage:
Store in accordance with local regulations.

**Product AS SOLD**

Other hazards:
Mixing this product with acid or ammonia releases chlorine gas.

**Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Product AS SOLD**

Pure substance/mixture:
Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration: (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>troclosene sodium</td>
<td>2893-78-9</td>
<td>60 - 100</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

No hazardous ingredients

**Section: 4. FIRST AID MEASURES**

**Product AS SOLD**

In case of eye contact:
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact:
Rinse with plenty of water.

If swallowed:
Contact the Poison’s Information Centre (eg Australia 13 1126; New Zealand 0800 764 766).

Rinse mouth. Get medical attention if symptoms occur.

If inhaled:
Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders:
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician:
Treat symptomatically.

Most important symptoms and effects, both acute and delayed:
See Section 11 for more detailed information on health effects and symptoms.

**Product AT USE DILUTION**

In case of eye contact:
Rinse with plenty of water.
In case of skin contact: Rinse with plenty of water.

If swallowed: Contact the Poison's Information Centre (eg Australia 13 1126; New Zealand 0800 764 766). Rinse mouth. Get medical attention if symptoms occur.

If inhaled: Get medical attention if symptoms occur.

Section: 5. FIREFIGHTING MEASURES

Product AS SOLD

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

Unsuitable extinguishing media: None known.

Specific hazards during firefighting: Oxidizer. Contact with other material may cause fire.

Hazardous combustion products: Decomposition products may include the following materials:
- Carbon oxides
- Nitrogen oxides (NOx)
- Halogenated compounds
- Metal oxides

Special protective equipment for firefighters: In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

Special protective equipment for firefighters: Use personal protective equipment.

Specific extinguishing methods: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Hazchem Code: 1W

Section: 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up: Sweep up and shovel into suitable containers for disposal.

Product AT USE DILUTION

Personal precautions, protective equipment and: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
emergency procedures

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section: 7. HANDLING AND STORAGE

Product AS SOLD
Advice on safe handling : Do not ingest. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing. Mixing this product with acid or ammonia releases chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).


Storage temperature : 0 °C to 45 °C

Product AT USE DILUTION
Advice on safe handling : Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).


Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD
Components with workplace control parameters
Contains no substances with occupational exposure limit values.

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Safety goggles
Face-shield

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Neoprene gloves
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : No special protective equipment required.
Respiratory protection: Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use and maintenance of respiratory protective equipment as applicable.
No personal respiratory protective equipment normally required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

### Product AT USE DILUTION

| Engineering measures | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

<table>
<thead>
<tr>
<th>Personal protective equipment</th>
</tr>
</thead>
</table>

| Eye protection | : No special protective equipment required.
| Hand protection | : No special protective equipment required.
| Skin protection | : No special protective equipment required.
| Respiratory protection | : Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use and maintenance of respiratory protective equipment as applicable. No personal respiratory protective equipment normally required.

### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | : powder |
| Colour | : white |
| Odour | : Chlorine |
| pH | : 6.0 - 7.0, (1 %) |
| Flash point | : Not applicable., Does not sustain combustion. |
| Odour Threshold | : no data available |
| Melting point/freezing point | : no data available |
| Initial boiling point and boiling range | : no data available |
| Evaporation rate | : no data available |
| Flammability (solid, gas) | : no data available |
| Upper explosion limit | : no data available |
| Lower explosion limit | : no data available |
| Vapour pressure | : no data available |
| Relative vapour density | : no data available |
| Relative density | : 0.85 - 0.95 |
| Water solubility | : partly soluble |
| Solubility in other solvents | : no data available |
| Partition coefficient: n-octanol/water | : no data available |

| Product AS SOLD | : liquid |
| Product AT USE DILUTION | : colourless |
| Odour | : Chlorine |
| pH | : 6.0 - 7.0 |
SAFETY DATA SHEET

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Auto-ignition temperature: no data available
Thermal decomposition: no data available
Viscosity, kinematic: no data available
Explosive properties: no data available
Oxidizing properties: no data available
Molecular weight: no data available
VOC: no data available

Section: 10. STABILITY AND REACTIVITY

Product AS SOLD
Reactivity: No dangerous reaction known under conditions of normal use.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Mixing this product with acid or ammonia releases chlorine gas.
Conditions to avoid: None known.
Incompatible materials: Metals
Organic materials
Acids
Hazardous decomposition products: Decomposition products may include the following materials:
Carbon oxides
nitrogen oxides (NOx)
Halogenated compounds
metal oxides

Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD
Eyes: Causes serious eye damage.
Skin: Health injuries are not known or expected under normal use.
Ingestion: Harmful if swallowed.
Inhalation: Health injuries are not known or expected under normal use.
Chronic Exposure: Health injuries are not known or expected under normal use.

Product AT USE DILUTION
Eyes: Health injuries are not known or expected under normal use.
Skin: Health injuries are not known or expected under normal use.
Ingestion: Health injuries are not known or expected under normal use.
Inhalation: Health injuries are not known or expected under normal use.
Chronic Exposure: Health injuries are not known or expected under normal use.

Experience with human exposure

**Product AS SOLD**

- **Eye contact**: Redness, Pain, Corrosion
- **Skin contact**: No symptoms known or expected.
- **Ingestion**: Vomiting
- **Inhalation**: No symptoms known or expected.

**Product AT USE DILUTION**

- **Eye contact**: No symptoms known or expected.
- **Skin contact**: No symptoms known or expected.
- **Ingestion**: No symptoms known or expected.
- **Inhalation**: No symptoms known or expected.

Toxicity

**Product AS SOLD**

- **Acute oral toxicity**: Acute toxicity estimate: 1,547 mg/kg
- **Acute inhalation toxicity**: no data available
- **Acute dermal toxicity**: no data available
- **Skin corrosion/irritation**: no data available
- **Serious eye damage/eye irritation**: no data available
- **Respiratory or skin sensitization**: no data available
- **Carcinogenicity**: no data available
- **Reproductive effects**: no data available
- **Germ cell mutagenicity**: no data available
- **Teratogenicity**: no data available
- **STOT - single exposure**: no data available
- **STOT - repeated exposure**: no data available
- **Aspiration toxicity**: no data available

**Components**

- **Acute dermal toxicity**: troclosene sodium
  
  LD50 rabbit: > 10,000 mg/kg

Section: 12. ECOLOGICAL INFORMATION

**Product AS SOLD**

**Ecotoxicity**
Environmental Effects: Very toxic to aquatic life with long lasting effects.

**Product**

Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available

**Persistence and degradability**

**Product AS SOLD**
Poorly biodegradable

**Bioaccumulative potential**
no data available

**Mobility in soil**
no data available

**Other adverse effects**
no data available

**Section: 13. DISPOSAL CONSIDERATIONS**

**Product AS SOLD**
Disposal methods: The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

**Product AT USE DILUTION**
Disposal methods: The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

**Section: 14. TRANSPORT INFORMATION**

**Product AS SOLD**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land transport (ADG)**
UN number: 2465
Description of the goods: DICHLOROISOCYANURIC ACID, DRY
SAFETY DATA SHEET

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Class : 5.1
Packing group : II
Hazchem Code : 1W
Environmentally hazardous : Yes

Air transport (IATA)

Contact Regulatory for air freight eligibility

Sea transport (IMDG/IMO)

UN number : 2465
Description of the goods : DICHLOROISOCYANURIC ACID, DRY
Class : 5.1
Packing group : II
Marine pollutant : Yes

Section: 15. REGULATORY INFORMATION

National regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons : Schedule 6

The components of this product are reported in the following inventories:

United States TSCA Inventory : All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL) : All components of this product are on the Canadian DSL.

Australia. Industrial Chemical (Notification and Assessment) Act : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory : On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory : On the inventory, or in compliance with the inventory
SAFETY DATA SHEET

CONTAIN 5000

Section: 16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
IARC: (International Agency for Research on Cancer)
US. National Toxicology Program (NTP) Report on Carcinogens
ECHA List of Publishable Substances Registered
EU HPVCs (High Production Volume Chemicals)

Issuing date : 18.05.2020
Date of first issue : 23.10.2015
Version : 1.2
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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.