Chlorinated Disinfecting Tablets (Dilution 0.5 ppm - 5550 ppm)
Safety Data Sheet - Rev: 0
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 29th August 2018

SECTION 1: Identification

1.1. Identification
Product form: Mixture
Trade name: Chlorinated Disinfecting Tablets (Dilution 0.5 - 5550 ppm)

1.2. Recommended use and restrictions on use
Use of the substance/mixture: Effervescent NaDCC Tablets are used for drinking water disinfection & surface disinfection

1.3. Supplier
SOP Green Klean
615 Industrial Drive
Suite D
Cary, IL 60013
815-479-0460

1.4. Emergency telephone number
Emergency number: +353 53 9117900 (Office hours only, Monday - Friday, 8.30 am - 4.00pm) Poisons
Ireland: Information for medical professionals: Telephone 01 809 2566 (8.00am – 10.00pm).
USA: IN THE EVENT OF A MEDICAL EMERGENCY CALL YOUR POISON CONTROL CENTER AT 1-800-222-1222
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Not classified

2.2. GHS Label elements, including precautionary statements
GHS-US labelling
No labelling applicable

2.3. Other hazards which do not result in classification
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Troclosene Sodium / 1,3,5 - Triazine - 2,4,6 (1H, 3H,5H) - trione, 1, 3 - dichloro - sodium salt</td>
<td>(CAS-No.:) 2893-78-9</td>
<td>0.00003-0.028</td>
<td>Ox. Liq. 3, H272, Acute Tox. 4 (Oral), H302, Eye Irrit. 2, H319, STOT SE 3, H335, Aquatic Acute 1, H400, Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Adipic Acid</td>
<td>(CAS-No.:) 124-04-9</td>
<td>0.00001-0.13</td>
<td>Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td>Sodium bicarbonate</td>
<td>(CAS-No.:) 144-55-8</td>
<td>0.00001-0.12</td>
<td>Not classified</td>
</tr>
<tr>
<td>sodium carbonate</td>
<td>(CAS-No.:) 497-19-8</td>
<td>0.000002-0.02</td>
<td>Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>
SECTION 4: First-aid measures

4.1. Description of first aid measures
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)
No additional information available

4.3. Immediate medical attention and special treatment, if necessary
Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

5.2. Specific hazards arising from the chemical
Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters
Protective equipment for firefighters : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Control parameter</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Troclosene Sodium / 1,3,5-Triazine - 2,4,6 (1H, 3H,5H) - trione, 1, 3 - dichloro-sodium salt (2893-78-9)</td>
<td>Troclosene Sodium / 1,3,5-Triazine - 2,4,6 (1H, 3H,5H) - trione, 1, 3 - dichloro-sodium salt (2893-78-9)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Adipic Acid (124-04-9)</td>
<td>Adipic Acid (124-04-9)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Sodium bicarbonate (144-55-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>sodium carbonate (497-19-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls

| Appropriate engineering controls                  |  : Ensure good ventilation of the workstation. |
| Environmental exposure controls                  |  : Avoid release to the environment.          |

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

In case of repeated or prolonged contact (industrial environment), wear personal protective equipment.

Hand protection:

In case of repeated or prolonged contact (industrial environment), wear gloves; Chemical resistant gloves in accordance with OSHA requirements (29 CFR 1910.138)

Eye protection:

In industrial environment, use safety glasses for eye protection tested and approved in accordance with OSHA requirements (29 CFR 1910.133).

Respiratory protection:

Inhalation is unlikely route of exposure in this type of products

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state       |  : Solid                        |
| Appearance           |  : Tablets.                    |
| Colour               |  : white Offwhite              |
| Odour                |  : slight chlorine             |
| Odour threshold      |  : No data available           |
| pH                   |  : No data available           |
| pH solution          |  : 5.5 - 6.5 For neat form (as supplied) |
| Melting point        |  : No data available           |
| Freezing point       |  : Not applicable              |
| Boiling point        |  : No data available           |
| Flash point          |  : Not applicable              |
| Relative evaporation rate (butylacetate=1) |  : No data available |
| Flammability (solid, gas) |  : Non flammable.    |
| Vapour pressure      |  : No data available           |
| Relative vapour density at 20 °C |  : No data available |
| Relative density     |  : Not applicable              |
| Solubility           |  : completely soluble. (100%) in water. |
| Log Pow              |  : No data available           |
| Auto-ignition temperature |  : Not applicable |
| Decomposition temperature |  : 225 - 250°C |
| Viscosity, kinematic |  : Not applicable              |
| Viscosity, dynamic   |  : No data available           |
| Explosive limits     |  : Not applicable              |
| Explosive properties |  : No data available           |
| Oxidising properties |  : No data available           |

9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>Route</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Troclosene Sodium / 1,3,5-Triazine - 2,4,6 (1H, 3H,5H) - trione, 1, 3 - dichloro-sodium salt (2893-78-9)</td>
<td></td>
<td>735 mg/kg bodyweight</td>
<td></td>
</tr>
<tr>
<td>Sodium bicarbonate (144-55-8)</td>
<td></td>
<td></td>
<td>4220 mg/kg bodyweight</td>
</tr>
<tr>
<td>Sodium carbonate (497-19-8)</td>
<td></td>
<td></td>
<td>2210 mg/kg</td>
</tr>
</tbody>
</table>

- Skin corrosion/irritation : Not classified
- Serious eye damage/irritation : Not classified
- Respiratory or skin sensitisation : Not classified
- Germ cell mutagenicity : Not classified
- Carcinogenicity : Not classified
- Reproductive toxicity : Not classified
- Specific target organ toxicity (single exposure) : Not classified
- Specific target organ toxicity (repeated exposure) : Not classified
- Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>US Klorsept (Dilution 0.5 - 5550 ppm)</td>
<td>This material is believed not to persist in the environment. Free available chlorine is rapidly consumed by reaction with organic and inorganic materials to produce chloride ion. The stable degradation products are chloride ion and cyanuric acid. This material is subject to hydrolysis. Cyanuric acid produced by hydrolysis is biodegradable.</td>
</tr>
</tbody>
</table>
### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>US Klorsept (Dilution 0.5 - 5550 ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not applicable
Transportation of Dangerous Goods
Not applicable
Transport by sea
Not applicable
Air transport
Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

**USA:**
All the ingredients in this preparation are listed in the EPA TSCA Inventory.
This product is registered under FIFRA - Klorsept EPA registration number: 71847-6.
PLEASE REFER TO EPA MASTER LABEL FOR ADDITIONAL SAFETY AND OTHER INFORMATION ON THE MIXTURE

CERCLA/SARA – 302 ext. haz. substances – This material contains hazardous substance (Adipic Acid) as defined by CERCLA/SARA and the Reportable Quantity is 5000lbs.
SARA (311,312) – This product is categorized as an immediate health hazard, and fire and reactivity physical hazard (Sodium Dichloroisocyanurate)
Massachusetts Right-to-Know Hazardous Substances list – Listed (Adipic Acid, Sodium Dichloroisocyanurate)
New Jersey Right-to-Know Hazardous Substances list – Listed (Adipic Acid, Sodium Dichloroisocyanurate)
Pennsylvania Right-to-Know Hazardous Substances list – Listed (Adipic Acid, Sodium Dichloroisocyanurate)
Rhode Island Right-to-Know Hazardous Substances list – Listed (Adipic Acid, Sodium Dichloroisocyanurate)
Workplace Classification – This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200)

**15.2. International regulations**

**Canada:**
Canadian Chemical Inventory (DSL) – Listed
WHMIS hazard class –
D2B toxic materials
For Sodium dichloroisocyanurate:
C oxidizing materials
D1B toxic materials
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For Sodium Carbonate:
E corrosive materials

The active substance is also listed in the following chemical inventories:
• Australian Chemical Inventory (AICS) – Listed
• China Chemical Inventory (IECSC) – Listed
• European Union Inventory (EINECS) – Reported
• Japanese Chemical Inventory (KECI) – Listed
• New Zealand Chemical Inventory (NZIOC) – Listed
• Philippines Priority Chemical List (PICCS) – Listed
The mixture is generally classified and registered as a disinfectant, biocide, or pesticide.

EU Regulation: If required for sale in Ireland (country of origin), the mixture is notified to the Pesticide Control Service, Department of Agriculture, Food and the Marine as a biocide under its appropriate trade name. The product is generally classified as a biocide in the EU, and as such is subject to regulation under EU Regulation No. 528/2012 (Biocidal Products Regulation).

SECTION 16: Other information

Full text of H-statements:

<table>
<thead>
<tr>
<th>H-statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272</td>
<td>May intensify fire; oxidiser.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012) Prop 65 Correction

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

REVISION HISTORY:
Revision No. 0 – New SDS prepared to cover all in-use dilutions of US Klorsept product