SECTION 1: Identification

1.1. Identification
Product form: Mixture - Ready to use
Trade name: PURTABS (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 sanitizing and disinfection

1.3. Supplier
Manufactured for:
EarthSafe Chemical Alternatives, LLC
145 Wood Road
Braintree, MA 02184
T 866-666-2305
info@earthsafeca.com

1.4. Emergency telephone number
Emergency number: CHEMTREC 1-800-424-9300
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

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</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 - 0.28</td>
</tr>
<tr>
<td>Adipic Acid</td>
<td>(CAS No.: 124-04-9)</td>
<td>0.00001 - 0.13</td>
</tr>
<tr>
<td>Sodium bicarbonate</td>
<td>(CAS No.: 144-55-8)</td>
<td>0.00001 – 0.12</td>
</tr>
<tr>
<td>sodium carbonate</td>
<td>(CAS No.: 497-19-8)</td>
<td>0.000002 - 0.02</td>
</tr>
</tbody>
</table>
### SECTION 4: First-aid measures

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

#### 4.2. Most important symptoms and effects (acute and delayed)

See section 11.1. Toxilogical information

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

<table>
<thead>
<tr>
<th>5.1. Suitable (and unsuitable) extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material will not burn. : Use a fire fighting agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

#### 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.

### SECTION 6: Accidental release measures

<table>
<thead>
<tr>
<th>6.1. Personal precautions, protective equipment and emergency procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6.1.1. For non-emergency personnel</strong> : Ventilate spillage area.</td>
</tr>
<tr>
<td><strong>6.1.2. For emergency responders</strong> : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>7.1. Precautions for safe handling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautions for safe handling : For industrial or professional use only. Avoid release to the environment. Avoid contact with oxidizing agents (e.g. chlorine, chromic acid etc.)</td>
</tr>
<tr>
<td>Hygiene measures : Always wash hands after handling the product.</td>
</tr>
</tbody>
</table>

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store away from heat. Store away from oxidizing agents.

### SECTION 8: Exposure controls/personal protection

<table>
<thead>
<tr>
<th>8.1. Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Troclosene Sodium / 1,3,5-Triazine - 2,4,6 (1H, 3H,5H) - trione, 1, 3 - dichloro-sodium salt (2893-78-9)</strong> Not applicable</td>
</tr>
<tr>
<td><strong>Adipic Acid (124-04-9)</strong> Not applicable</td>
</tr>
</tbody>
</table>
**PIURTABS (Dilution 0.5 ppm - 5550 ppm)**

**Safety Data Sheet - Rev: 1**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Sodium bicarbonate (144-55-8)</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium carbonate (497-19-8)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No occupational exposure limit values exist for the components listed.

**8.2. Appropriate engineering controls**

Appropriate engineering controls: No engineering controls required.

Environmental exposure controls: Avoid release into the environment.

**8.3. Individual protection measures/Personal protective equipment**

**Personal protective equipment (PPE)**

**Hand/skin protection:**

None required.

**Eye/face protection:**

None required.

**Respiratory protection:**

None required. 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:** Liquid
- **Appearance:** Aqueous Solution
- **Color:** Clear
- **Odor:** Slight chlorine
- **Odor 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:** No flash point
- **Relative evaporation rate (butylacetate=1):** No data available
- **Flammability (solid, gas):** Not applicable.
- **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:** No data available
- **Viscosity, kinematic:** Not applicable
- **Viscosity, dynamic:** No data available
- **Explosive limits:** Not applicable
- **Explosive properties:** No data available
- **Oxidizing properties:** No data available

**9.2. Other information**

No additional information available
### SECTION 10: Stability and reactivity

**10.1. Reactivity**
The product is generally non-reactive under normal conditions of use, storage and transport, but may react with certain agents/certain conditions.

**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**
Strong oxidizing agents

**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**

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**Troclosene Sodium / 1,3,5-Triazine - 2,4,6 (1H, 3H,5H) - trione, 1, 3 - dichloro-sodium salt (2893-78-9)**

**LD50 oral rat** 735 mg/kg bodyweight

**Sodium bicarbonate (144-55-8)**

**LD50 oral rat** 4220 mg/kg bodyweight

**Sodium carbonate (497-19-8)**

**LD50 dermal rat** 2210 mg/kg

**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>PURTABS (Dilution 0.5 - 5550 ppm)</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td></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><strong>PUR TABS (Dilution 0.5 - 5550 ppm)</strong></th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>This material hydrolys in water liberating free available chlorine and cyanuric acid. These products are not bioaccumulative. Bioaccumulation not expected to occur.</td>
<td></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

Disposal instructions for solution: In appropriate quantities/concentrations (subject to local/national regs.), diluted solutions may be flushed to sanitary sewer.

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 - PUR TABS EPA registration number: 71847-6-91524 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) THIS SAFETY DATA SHEET IS FOR READY TO USE SOLUTION.

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
PURTABS (Dilution 0.5 ppm - 5550 ppm)
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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
• Japan Chemical Inventory (ENCs) – Listed
• Korean 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

NFPA Hazard Classification
Health: 0  Flammability: 0  Instability: 0  Special Hazards: None

HMIS Hazard Classification
Health: 0  Flammability: 0  Physical Hazard: 0  Personal Protection: See PPE Section

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. 1 – SDS prepared to cover all in-use dilutions of PURTABS product
Supersedes Date: 5/23/18

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