



PURTABS (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

Date of issue: 28th March 2019

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
 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

3.2. Mixtures

Name	Product identifier	%
Troclosene Sodium / 1,3,5 -Triazine - 2,4,6 (1H, 3H,5H) - trione, 1, 3 - dichloro-,sodium salt	(CAS-No.) 2893-78-9	0.00003 - 0.28
Adipic Acid	(CAS-No.) 124-04-9	0.00001 - 0.13
Sodium bicarbonate	(CAS-No.) 144-55-8	0.00001 – 0.12
sodium carbonate	(CAS-No.) 497-19-8	0.000002 - 0.02

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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)

See section 11.1. Toxicological information

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Material will not burn. : Use a fire fighting agent suitable for the surrounding fire.

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

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 : For industrial or professional use only. Avoid release to the environment. Avoid contact with oxidizing agents (e.g. chlorine, chromic acid etc.)
Hygiene measures : Always wash hands after handling the product.

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

8.1. Control parameters

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

Not applicable

Adipic Acid (124-04-9)

Not applicable

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Sodium bicarbonate (144-55-8)

Not applicable

sodium carbonate (497-19-8)

Not applicable

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

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is generally non-reactive under normal conditions of use, storage and transport, but may reactive 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

Acute toxicity : Not classified

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
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Sodium bicarbonate (144-55-8)

LD50 oral rat	4220 mg/kg bodyweight
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sodium carbonate (497-19-8)

LD50 dermal rat	2210 mg/kg
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Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : 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

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Persistence and degradability	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.
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12.3. Bioaccumulative potential

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Bioaccumulative potential

This material hydrolyses in water liberating free available chlorine and cyanuric acid. These products are not bioaccumulative. Bioaccumulation not expected to occur.

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

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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
- 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

HAZARD RATINGS/ GRADO DE PELIGRO		
HMIS		NFPA
0	HEALTH/SALUD	0
0	FLAMMABILITY/INFLAMABILIDAD	0
0	REACTIVITY/REACTIVIDAD	0

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 PUR TABS product

Supersedes Date: 5/23/18

DISCLAIMER: The information on this SDS is believed to be correct as of the date of issue. EarthSafe Chemical Alternatives, LLC makes NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of use or application.