

## SAFETY DATA SHEET

### 1. Identification

<b>Product identifier</b>	<b>PURTABS</b>	
<b>Other means of identification</b>		
<b>Product number</b>	ESPT.33G	
<b>Recommended use</b>	Effervescent disinfectant tablets	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	EarthSafe Chemical Alternatives	
<b>Address</b>	145 Wood Road, Braintree, MA 02184	
<b>Telephone</b>	Phone:	866-666-2305
<b>Website</b>	www.earthsafeca.com	
<b>Emergency phone number</b>	CHEMTREC	1-800-424-9300

### 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Not applicable
<b>OSHA defined hazards</b>	Not classified.	
<b>GHS label elements</b>		
<b>Hazard statement</b>	Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life.	
<b>Label elements</b>		



<b>Signal word</b>	Warning
<b>Prevention</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing. Wear eye/face protection.
<b>Response</b>	Collect spillage. IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and safe to do so. Continue rinsing. Get medical attention if irritation develops or persists. IF SWALLOWED: Call a physician or poison control center immediately. If conscious, drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. IF ON SKIN: Wash off immediately with plenty of soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation develops or persists. IF INHALED: Move to fresh air. If a person feels unwell, contact a physician or medical personnel.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** 51.79% of the mixture consists of component(s) of unknown acute dermal toxicity. % of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. Contact with acids liberates toxic gas.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Dichloroisocyanuric acid, sodium salt		2893-78-9	45 - <50
Adipic acid		124-04-9	35 - <40
Sodium carbonate		497-19-8	10 - <15
Other components below reportable levels			1 - <5

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and safe to do so. Continue rinsing. Get medical attention if irritation develops or persists. Continue rinsing. Get medical attention if irritation develops or persists.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. If conscious, drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move to fresh air. If a person feels unwell, contact a physician or medical personnel.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>Most important symptoms/effects, acute and delayed</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Flood with water.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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**Methods and materials for containment and cleaning up**

This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Collect spillage. Dike far ahead of spill for later disposal. Following product recovery, flush area with water.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**7. Handling and storage**

**Precautions for safe handling**

Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities**

Use care in handling/storage. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values Components**

**Type**

**Value**

US. ACGIH Threshold Limit Values Components	Type	Value
Adipic acid (CAS 124-04-9)	TWA	5 mg/m3

**Appropriate engineering controls**

General ventilation normally adequate.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear eye/face protection. Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection**

Wear protective gloves.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**Appearance**

tablet

**Color**

white - off white

**Odor**

slight chlorine

**Odor threshold**

Not available.

**pH**

5.5 - 6.5

**Melting point/freezing point**

305.6 °F (152 °C) estimated

**Boiling point**

Not available.

**Flash point**

Not available.

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)**

Not available.

**Flammability limit - upper (%)**

Not available.

**Vapor pressure**

Not available.

**Vapor density**

Not available.

**Solubility(ies)**

**Solubility (water)**

100 %

<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Specific gravity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Acids. Strong oxidizing agents
<b>Hazardous decomposition products</b>	Chlorine. chlorides Carbon oxides. phosgene

## 11. Toxicological information

### Information on likely routes of exposure

<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Harmful in contact with skin.
<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	Prolonged inhalation may be harmful. May cause irritation to the respiratory system.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Acute toxicity</b>	Harmful if swallowed. Harmful in contact with skin. May cause respiratory irritation.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.
<b>Toxicological information</b>	Occupational exposure to the substance or mixture may cause adverse effects.

## 12. Ecological information

<b>Ecotoxicity</b>	Components of this product are hazardous to aquatic life.
<b>Persistence and degradability</b>	Based on the biodegradability data of the components, this material is expected to be biodegradable.
<b>Bioaccumulative potential</b>	This material does not contain chemicals that have known bioaccumulative potential.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Adipic acid (CAS 124-04-9) Listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA (Superfund) reportable quantity**

Adipic acid: 5000

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations**

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**16. Other information, including date of preparation or last revision**

**HMIS® ratings** Health: 1  
Flammability: 0  
Physical hazard: 0  
Personal protection: B

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<b>NFPA ratings</b>	Health: 1 Flammability: 0 Instability: 0
<b>Revision Information</b>	Hazard(s) identification: <INDENT>Response Hazard(s) identification: <INDENT>Disposal GHS: Classification
<b>Issue date</b>	04-22-2014
<b>Revision date</b>	07-08-2014
<b>Version #</b>	03
<b>Further information</b>	<p>This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:</p> <p><b>DANGER</b> <b>CORROSIVE</b> Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin.</p>
<b>Disclaimer</b>	<p>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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.</p>