

## SOLID DESTAINER

**Section 1. Chemical product and company identification**

**Product name** : SOLID DESTAINER

**Recommended use and restrictions** : Laundry product

Use only for the purpose on the product label.

**Product dilution information** : Up to 17 g/20 gal or 1.8 g/10 L in water.

**Supplier's information** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code** : 901358

**Date of issue** : 01 Apr 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

**Section 2. Hazards identification**

**GHS Classification** : **Product AS SOLD**  
: OXIDIZING SOLIDS - Category 1  
SERIOUS EYE DAMAGE/ EYE IRRITATION -  
Category 2A  
AQUATIC TOXICITY (ACUTE) - Category 1

**GHS label elements**

**Signal word** : Danger

**Symbol** :



**Hazard statements** : May cause fire or explosion; strong oxidizer.  
Causes serious eye irritation.  
Very toxic to aquatic life.

**Precautionary statements**

**Prevention** : Wear fire resistant clothing. Keep away from heat. - No smoking. Keep away from clothing, incompatible materials and combustible materials. Take any precaution to avoid mixing with combustibles and other incompatible materials. Avoid release to the environment. Wash thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas.

**Response** :

**Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical hazards.

Wash thoroughly after handling.

## Section 2. Hazards identification

Collect spillage. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

**Storage** : No other specific measures identified.  
**Disposal** : See section 13 for waste disposal information.  
**Other hazards** : None known.

Get medical attention if symptoms appear.

No other specific measures identified.  
 See section 13 for waste disposal information.  
 None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product AS SOLD**

| Hazardous ingredients              | Concentration Range (%) | CAS number |
|------------------------------------|-------------------------|------------|
| troclosene sodium, dihydrate       | >50                     | 51580-86-0 |
| 1-octanesulfonic acid, sodium salt | 1 - 5                   | 5324-84-5  |

**Product AT USE DILUTION**

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

## Section 4. First aid measures

**Product AS SOLD**

**Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.  
**Skin contact** : No known effect after skin contact. Rinse with water for a few minutes.  
**Inhalation** : No special measures required. Treat symptomatically.  
**Ingestion** : Get medical attention if symptoms occur.  
**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.  
**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Product AT USE DILUTION**

No known effect after eye contact. Rinse with water for a few minutes.  
 No known effect after skin contact. Rinse with water for a few minutes.  
 No special measures required. Treat symptomatically.  
 Get medical attention if symptoms occur.

See toxicological information (section 11)

## Section 5. Fire-fighting measures

**Product AS SOLD**

**Suitable fire extinguishing media** : Use water spray, fog or foam.

**Specific hazards arising from the chemical** : Strongly oxidizing material. May cause fire or explosion. This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

## Section 5. Fire-fighting measures

|                                                       |                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazardous thermal decomposition products</b>       | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>halogenated compounds<br>metal oxide/oxides                                                                                                                                |
| <b>Specific fire-fighting methods</b>                 | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| <b>Special protective equipment for fire-fighters</b> | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                                                                                                                                                |

## Section 6. Accidental release measures

|                                  | <b>Product AS SOLD</b>                                                                                                                                                                                | <b>Product AT USE DILUTION</b>                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>      | : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material. | Use personal protective equipment as required.                                                 |
| <b>Environmental precautions</b> | : Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.                                                                                                      | Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. |
| <b>Methods for cleaning up</b>   | : Collect spillage. Use a water rinse for final clean-up.                                                                                                                                             | Use a water rinse for final clean-up.                                                          |

## Section 7. Handling and storage

|                 | <b>Product AS SOLD</b>                                                                                                                                                                                                           | <b>Product AT USE DILUTION</b>  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>Handling</b> | : Avoid contact with eyes, skin and clothing. Keep away from combustible materials. Keep only in original container. Wash thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas.             | Wash thoroughly after handling. |
| <b>Storage</b>  | : Keep out of reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from reducing agents and combustible materials.<br>Store between the following temperatures: 0 and 50°C | Keep out of reach of children.  |

## Section 8. Exposure controls/personal protection

### Control parameters

| <b>Ingredient name</b> | <b>Exposure limits</b>                                                                                                                                                                                                                                                  |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| chlorine               | <b>ACGIH TLV (United States, 3/2012).</b><br>STEL: 2.9 mg/m <sup>3</sup> 15 minutes.<br>STEL: 1 ppm 15 minutes.<br>TWA: 1.5 mg/m <sup>3</sup> 8 hours.<br>TWA: 0.5 ppm 8 hours.<br><b>OSHA PEL (United States, 6/2010).</b><br>CEIL: 3 mg/m <sup>3</sup><br>CEIL: 1 ppm |

## Section 8. Exposure controls/personal protection

NIOSH REL (United States, 6/2009).

CEIL: 0.5 ppm 15 minutes.

CEIL: 1.45 mg/m<sup>3</sup> 15 minutes.

|                                         | Product AS SOLD                                                                                                                                                                                                                                                                                | Product AT USE DILUTION                                                                            |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Appropriate engineering controls</b> | : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.                 | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| <b>Personal protection</b>              |                                                                                                                                                                                                                                                                                                |                                                                                                    |
| <b>Eye protection</b>                   | : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.                                                                                                                                                                                 | No protective equipment is needed under normal use conditions.                                     |
| <b>Hand protection</b>                  | : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.                                                                                                                                                                                 | No protective equipment is needed under normal use conditions.                                     |
| <b>Skin protection</b>                  | : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.                                                                                                                                                                                 | No protective equipment is needed under normal use conditions.                                     |
| <b>Respiratory protection</b>           | : Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.                                                                                                                                                                                 | A respirator is not needed under normal and intended conditions of product use.                    |
| <b>Hygiene measures</b>                 | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. |                                                                                                    |

## Section 9. Physical and chemical properties

|                                               | Product AS SOLD                                                                                               | Product AT USE DILUTION |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Physical state</b>                         | : Cast Solid                                                                                                  | Liquid.                 |
| <b>Color</b>                                  | : White                                                                                                       | Colorless               |
| <b>Odor</b>                                   | : chlorine                                                                                                    | chlorine                |
| <b>pH</b>                                     | : 9.8 (1%)                                                                                                    | 9 to 10                 |
| <b>Flash point</b>                            | : > 100°C<br>Product does not support combustion.                                                             | > 100°C                 |
| <b>Explosion limits</b>                       | : Not available.                                                                                              |                         |
| <b>Flammability (solid, gas)</b>              | : Not available.                                                                                              |                         |
| <b>Melting point</b>                          | : Not available.                                                                                              |                         |
| <b>Boiling point</b>                          | : Not available.                                                                                              |                         |
| <b>Evaporation rate (butyl acetate = 1)</b>   | : Not available.                                                                                              |                         |
| <b>Vapor pressure</b>                         | : Not available.                                                                                              |                         |
| <b>Vapor density</b>                          | : Not available.                                                                                              |                         |
| <b>Relative density</b>                       | : Only known value: 2.7 (Water = 1) (sodium sulfate).                                                         |                         |
| <b>Solubility</b>                             | : Soluble in the following materials: hot water.<br>Partially soluble in the following materials: cold water. |                         |
| <b>Partition coefficient: n-octanol/water</b> | : Not available.                                                                                              |                         |

## Section 9. Physical and chemical properties

Auto-ignition temperature : Not available.  
 Decomposition temperature : Not available.  
 Odor threshold : Not available.  
 Viscosity : Not available.

## Section 10. Stability and reactivity

### Product AS SOLD

**Stability** : The product is stable.  
**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.  
**Conditions to avoid** : No specific data.  
**Materials to avoid** : Highly reactive or incompatible with the following materials: acids.  
 Reactive or incompatible with the following materials: organic materials.  
 Slightly reactive or incompatible with the following materials: metals and moisture.  
 Do not allow water to enter container. Wet material may generate halogenated gas that may pressurize sealed containers. Mixing this product with acid or ammonia releases chlorine gas.  
**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Ingestion

### Product AS SOLD

#### Symptoms

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness  
**Skin contact** : No specific data.  
**Inhalation** : No specific data.  
**Ingestion** : No specific data.  
**Acute toxicity**  
**Eye contact** : Causes serious eye irritation.  
**Skin contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Product AT USE DILUTION

No specific data.  
 No specific data.  
 No specific data.  
 No specific data.  
 No known significant effects or critical hazards.  
 No known significant effects or critical hazards.  
 No known significant effects or critical hazards.  
 No known significant effects or critical hazards.

#### Toxicity data

| Product/ingredient name            | Result      | Species | Dose        |
|------------------------------------|-------------|---------|-------------|
| troclosene sodium, dihydrate       | LD50 Dermal | Rat     | >5000 mg/kg |
|                                    | LD50 Oral   | Rat     | 1823 mg/kg  |
| 1-octanesulfonic acid, sodium salt | LD50 Oral   | Rat     | >5000 mg/kg |

#### Chronic toxicity

**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.

## Section 11. Toxicological information

**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

Product AS SOLD

**Ecotoxicity** : This material is very toxic to aquatic life.

### Aquatic and terrestrial toxicity

| Product/ingredient name            | Result                | Species | Exposure |
|------------------------------------|-----------------------|---------|----------|
| troclosene sodium, dihydrate       | Acute EC50 0.196 mg/l | Daphnia | 48 hours |
| 1-octanesulfonic acid, sodium salt | Acute EC50 3200 mg/l  | Daphnia | 48 hours |

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : **Product AS SOLD**  
: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### **Product AT USE DILUTION**

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### DOT

**DOT Classification** : Not regulated.

### IMO/IMDG

**IMO/IMDG Classification** : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

### **Product AT USE DILUTION**

Not intended for transport.

## Section 15. Regulatory information

Product AS SOLD

### U.S. Federal regulations

**TSCA 8(b) inventory** : All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No listed substance

**SARA 302/304 emergency planning and notification**: No listed substance

### SARA 313

### Product name

### CAS number

### Concentration

**Form R - Reporting requirements** : No listed substance

### California Prop. 65

: WARNING: This product contains a chemical known to the State of California to cause cancer.

## Section 16. Other information

Product AS SOLD

Hazardous Material :  
Information System (U.S.A.)

|                  |   |
|------------------|---|
| Health           | 2 |
| Flammability     | 0 |
| Physical hazards | 1 |
|                  |   |

National Fire Protection :  
Association (U.S.A.)



Product AT USE DILUTION

|                  |   |
|------------------|---|
| Health           | 0 |
| Flammability     | 0 |
| Physical hazards | 0 |
|                  |   |



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Prepared by : Regulatory Affairs  
1-800-352-5326

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.