

# Material Safety Data Sheet



SOLID STAINAWAY

## 1. Product and company identification

Trade name of product : **SOLID STAINAWAY**

Product use : **Laundry product**

Product dilution information : Up to 2.4 oz/100 gal or 0.2 mL/L in water

Supplier's information : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

Code : 982546-01

Date of issue : **12-June-2013**

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

## 2. Hazards identification

### Product AS SOLD

Physical state : Cast Solid

Emergency overview : DANGER!

OXIDISER.  
CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.  
CAUSES EYE IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Avoid contact with eyes. Keep away from heat, sparks and flame. Keep only in the original container. Avoid contact with combustible materials. Keep away from heat and direct sunlight. Decomposes on heating. Wash thoroughly after handling.

Routes of entry : Skin contact, Eye contact, Ingestion

### Potential acute health effects

#### Product AS SOLD

Eyes : Severely irritating to eyes.

Skin : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Ingestion : May be harmful if swallowed.

See toxicological information (Section 11)

### Product AT USE DILUTION

Liquid.

No specific hazard.

No specific hazard.

### Product AT USE DILUTION

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.

### 3. Composition/information on ingredients

#### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
troclosene sodium, dihydrate	51580-86-0	60 - 100

#### 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.

### 4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.	Get medical attention if symptoms occur.

### 5. Fire-fighting measures

#### Product AS SOLD

<b>Auto-ignition temperature</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
<b>Special remarks on fire hazards</b>	: Not available.
<b>Special remarks on explosion hazards</b>	: Not available.
<b>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.  Use water spray to keep fire-exposed containers cool. Dyke area of fire to prevent runoff. Contact with combustible material may cause fire. This material increases the risk of fire and may aid combustion.
<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.

## 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<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 spilt material.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	: Do not ingest. Avoid contact with eyes. Avoid breathing dust. Avoid contact with combustible materials. Keep container closed. Keep only in the original container. Use only with adequate ventilation. Mixing this product with acid or ammonia releases chlorine gas. Wash thoroughly after handling.	Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed. Store in a closed container. Separate from reducing agents and combustible materials. Store between the following temperatures: 0 and 50°C	Keep out of reach of children.

## 8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
<b>Engineering measures</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eyes</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>Hands</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	No special protection is required.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations
chlorine	US ACGIH 2/2010	0.5	1.5	-	1	2.9	-	-	-	-	[3]
	AB 4/2009	0.5	1.5	-	1	2.9	-	-	-	-	
	BC 9/2010	0.5	-	-	1	-	-	-	-	-	
	ON 7/2010	0.5	1.5	-	1	2.9	-	-	-	-	
	QC 6/2008	0.5	1.5	-	1	2.9	-	-	-	-	

## 9. Physical and chemical properties

	Product AS SOLD
<b>Physical state</b>	: Cast Solid
<b>Flash point</b>	: > 100°C Product does not support combustion.
<b>Colour</b>	: White
<b>Odour</b>	: chlorine
<b>pH</b>	: 6.25 [Conc. (% w/w): 1%]
<b>Boiling/condensation point</b>	: >100°C (>212°F)
<b>Melting/freezing point</b>	: Not available.
<b>Relative density</b>	: 0
<b>Vapour pressure</b>	: Not available.
<b>Vapour density</b>	: Not available.
<b>Odour threshold</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Viscosity</b>	: Not available.
<b>Dispersibility properties</b>	: Dispersible in the following materials: hot water. Partially dispersible in the following materials: cold water.
<b>Solubility</b>	: Soluble in the following materials: hot water. Partially soluble in the following materials: cold water.
<b>LogK<sub>ow</sub></b>	: Not available.

### Product AT USE DILUTION

Liquid.  
> 100°C  
Colourless.  
chlorine  
5.3 to 7.3

## 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable. Decomposes on heating. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions of instability</b>	: Not available.
<b>Reactivity</b>	: Highly reactive or incompatible with the following materials: acids. Reactive or incompatible with the following materials: organic materials and metals. Slightly reactive or incompatible with the following materials: alkalis 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.
<b>Hazardous decomposition products</b>	: Oxygen
<b>Hazardous polymerisation</b>	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

## 11. Toxicological information

### Potential acute health effects

	Product AS SOLD
<b>Eyes</b>	: Severely irritating to eyes.
<b>Skin</b>	: No known significant effects or critical hazards.
<b>Inhalation</b>	: No known significant effects or critical hazards.

### Product AT USE DILUTION

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

## 11. Toxicological information

**Ingestion** : May be harmful if swallowed.

No known significant effects or critical hazards.

### Product AS SOLD

#### Potential chronic health effects

**Carcinogenic effects** : No known significant effects or critical hazards.

**Mutagenic effects** : No known significant effects or critical hazards.

**Teratogenic effects** : No known significant effects or critical hazards.

**Reproductive effects** : No known significant effects or critical hazards.

**Sensitization to Product** : No known significant effects or critical hazards.

**Synergistic products (toxicologically)** : Not available.

#### Toxicity data

Product/ingredient name	Test	Route	Result	Species
troclosene sodium, dihydrate	LD50	Dermal	>5000 mg/kg	Rat
	LD50	Oral	1823 mg/kg	Rat

#### Other adverse effects

**Target organs** : Not available.

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

### Product AS SOLD

**Waste disposal** : 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.

## 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.

### Product AS SOLD

#### TDG

**TDG 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.

## 15. Regulatory information

**Product AS SOLD**

**WHMIS** : Class C: Oxidising material.  
Class D-2B: Material causing other toxic effects (Toxic).

**Product AT USE DILUTION**

Not hazardous by WHMIS criteria.

**Canada inventory** : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 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



**Date of issue** : 12-June-2013

**Responsible name** : Regulatory Affairs  
1-800-352-5326

☑ Indicates information that has changed from previously issued version.

**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.