

# Material Safety Data Sheet

**ECOLA**

GUARDIAN ACCLAIM

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## 1. Product and company identification

Trade name of product : GUARDIAN ACCLAIM  
Product use : Machine Warewashing Detergent

# 49142

Product dilution information : Up to 4oz/10gal or 3.12 mL/L in water

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

Code : 937839

Date of issue : 13-June-2011

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 : Powder  
Emergency overview : DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.  
CAUSES RESPIRATORY TRACT IRRITATION.  
Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Product AT USE DILUTION**

Liquid  
CAUTION !

No specific hazard.

No specific hazard.

**Potential acute health effects**

**Product AS SOLD**

Eyes : Corrosive to eyes.  
Skin : Corrosive to the skin.  
Inhalation : Severely irritating to the respiratory system.  
Ingestion : Causes burns to mouth, throat and stomach.

**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.

See toxicological information (section 11)

## 3. Composition/information on ingredients

**Product AS SOLD**

Name	CAS number	% by weight
PENTASODIUM TRIPHOSPHATE	7758-29-4	17
SODIUM CARBONATE	497-19-8	>50
SODIUM METASILICATE	6834-92-0	20 - 50
troclosene sodium, dihydrate	51580-86-0	1 - 5

**Product AT USE DILUTION**

**3. Composition/information on ingredients**

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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**

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	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 immediately.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. 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**

<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides halogenated compounds metal oxide/oxides
<b>Fire-fighting media and instructions</b>	: Use dry chemical powder.  Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff. Fine dust clouds may form explosive mixtures with air.
<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 spilled material.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact 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.

**6. Accidental release measures**

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**Methods for cleaning up** : 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**

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**Handling** : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Store in a closed container. Keep container tightly closed.  
Do not store above the following temperature: 50°C

**Product AT USE DILUTION**  
Wash thoroughly after handling.

Keep out of reach of children.

**8. Exposure controls/personal protection**

**Engineering measures** : 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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Product AT USE DILUTION**  
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protection**

**Eyes** : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

**Hands** : Use chemical-resistant, impervious gloves.

**Skin** : Use synthetic apron, other protective equipment as necessary to prevent skin contact.

**Respiratory** : Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No protective equipment is needed under normal use conditions.

No special protection is required.

Ingredient	Exposure limits
chlorine	<b>ACGIH TLV (United States, 2/2010).</b> STEL: 2.9 mg/m <sup>3</sup> 15 minute(s). STEL: 1 ppm 15 minute(s). TWA: 1.5 mg/m <sup>3</sup> 8 hour(s). TWA: 0.5 ppm 8 hour(s). <b>OSHA PEL (United States, 6/2010).</b> CEIL: 3 mg/m <sup>3</sup> CEIL: 1 ppm

## 9. Physical and chemical properties

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**Product AS SOLD**  
 Physical state : Powder  
 Flash point : > 100°C  
 Color : White with colored particles [Light]  
 Odor : chlorine  
 pH : 13 [Conc. (% w/w): 1%]  
 Relative density : Not determined  
 Dispersibility properties : Dispersible in the following materials: cold water and hot water.  
 Solubility : Soluble in the following materials: cold water and hot water.

**Product AT USE DILUTION**  
 Liquid.  
 > 100°C  
 Product does not support combustion.  
 Colorless  
 Odorless  
 10.5 to 11.5

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## 10. Stability and reactivity

**Product AS SOLD**  
 Stability : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.  
 Reactivity : Extremely reactive or incompatible with the following materials: acids. 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.  
 Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. Toxicological information

### Potential acute health effects

**Product AS SOLD**  
 Eyes : Corrosive to eyes.  
 Skin : Corrosive to the skin.  
 Inhalation : Severely irritating to the respiratory system.  
 Ingestion : Causes burns to mouth, throat and stomach.

**Product AT USE DILUTION**  
 No known significant effects or critical hazards.  
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 No known significant effects or critical hazards.

## 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.

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### 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

DOT Classification UN3262  
 DOT Proper shipping name Corrosive solid, basic, inorganic, n.o.s. (disodium metasilicate, sodium carbonate)  
 Class 8  
 Packing group II

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For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information

**Product AT USE DILUTION**

Not intended for transport.

### 15. Regulatory information

Product AS SOLD

HCS : Corrosive material  
 Classification

**Product AT USE DILUTION**

Not regulated.

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 : No listed substance

### 16. Other information

Product AS SOLD

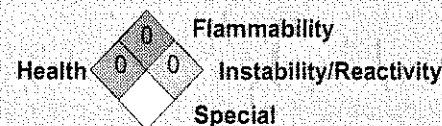
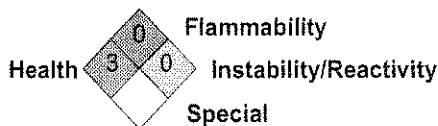
Hazardous Material Information System (U.S.A.)

Health	3
Flammability	0
Physical hazards	0

Product AT USE DILUTION

Health	0
Flammability	0
Physical hazards	0

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



Date of issue : 13-June-2011

**16. Other information**

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

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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.