

Material Safety Data Sheet

GUARDIAN ACCLAIM

Section 1. Chemical product and company identification

Trade name : GUARDIAN ACCLAIM
 Product use : Machine Warewashing Detergent
 Supplier : Ecolab Inc. Institutional Division
 370 N. Wabasha Street
 St. Paul, MN 55102
 1-800-352-5326
 Code : 937839
 Date of issue : 18-July-2008

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

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
triphosphoric acid, pentasodium salt	7758-29-4	17
sodium carbonate	497-19-8	>50
disodium metasilicate	6834-92-0	20 - 50
troclosene sodium, dihydrate	51580-86-0	1 - 5

Section 3. Hazards identification

Physical state : Solid. [Powder.]
 Emergency : DANGER !
 overview 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. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

Potential acute health effects

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

See toxicological information (section 11)

Section 4. First aid measures

Eye contact : 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.

Skin contact : 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.

Inhalation : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention immediately.

Ingestion : 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.

Section 5. Fire fighting measures

- Flash point** : > 100°C
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
phosphorus oxides
halogenated compounds
metal oxide/oxides
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.
No specific fire or explosion hazard.
- Special protective equipment for fire-fighters** : 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

- Personal precautions** : Immediately contact emergency personnel. Stop leak if without risk. Use suitable protective equipment. Keep unnecessary personnel away. Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

- 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. Keep container in a cool, well-ventilated area. Keep container tightly closed.
Do not store above the following temperature: 50°C

Section 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.

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.

Name

chlorine

Exposure limits

ACGIH TLV (United States, 1/2004).

STEL: 2.9 mg/m³ 15 minute(s). Form: All forms

STEL: 1 ppm 15 minute(s). Form: All forms

TWA: 1.5 mg/m³ 8 hour(s). Form: All forms

TWA: 0.5 ppm 8 hour(s). Form: All forms

OSHA PEL (United States, 8/1997).

CEIL: 3 mg/m³ Form: All forms

CEIL: 1 ppm Form: All forms

Section 9. Physical and chemical properties

Physical state	: Solid. [Powder.]
Color	: White with colored particles [Light]
Odor	: chlorine
pH	: 13 [Conc. (% w/w): 1%]
Dispersibility properties	: Dispersible in the following materials: cold water and hot water.
Solubility	: Soluble in the following materials: cold water and hot water.

Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Extremely reactive or incompatible with acids. Reactive with metals, moisture. Mixing this product with acid or ammonia releases chlorine gas. Do not allow water to enter container. Wet material may generate halogenated gas that may pressurize sealed containers.
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.

Section 11. Toxicological information

Potential acute health effects

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

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
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Consult your local or regional authorities.

Section 14. Transport information

See shipping documents for specific transportation information.

Section 15. Regulatory information

HCS Classification : Corrosive material
 U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.
 : SARA 302/304 emergency planning and notification: No products were found.
 : TSCA 8(b) inventory : All components are listed or exempted.
 California Prop. 65 : No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	3
	Flammability	0
	Physical hazards	0

Date of issue : 18-July-2008.
 Responsible name : Regulatory Affairs
 Date of previous issue : 26-July-2005.

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.