

#49142

Material Safety Data Sheet

ECOLAB

GUARDIAN ACCLAIM

Section 1. Chemical product and company identification

Trade name : GUARDIAN ACCLAIM
 Product use : Machine Wrewashing Detergent
 Supplier : Ecolab Inc. Institutional Division
 370 N. Wabasha Street
 St. Paul, MN 55102
 1-800-352-5326
 : 937839

Code : 26-July-2005
 Date of Issue : 26-July-2005

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

Name	CAS number	% by weight
triphosphoric acid, pentasodium salt	7758-29-4	17
sodium carbonate	497-19-8	>50
sodium metasilicate	6834-92-0	20 - 50
tetrasodium sodium, dihydrate	51580-96-0	1 - 5

Section 3. Hazards identification

Physical state : Solid (Powder.)
 Emergency : DANGEROUS

CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.
 HARMFUL IF SWALLOWED.

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

Potential acute health effects

Eyes : Corrosive to eyes.
 : Corrosive to the skin.
Inhalation : Corrosive to the respiratory system.
Ingestion : Harmful if swallowed. Causes burns to mouth, throat and stomach.

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. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : 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.

GUARDIAN ACCLAIM

Section 5. Fire fighting measures

Flash point : > 100°C
 Products of combustion : These products are halogenated compounds, hydrogen chloride.
 Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.
 No specific hazard.

Special protective equipment : 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 : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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. Keep container closed. Use only with adequate ventilation. Do not breathe dust. Wash thoroughly after handling.

Storage : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.
 Do not store above 50°C

Section 8. Exposure controls, personal protection

Engineering controls : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operators generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Ensure that eyewash stations and safety showers are close to the workstation location.

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 : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Exposure limits

ACGIH TLV (United States, 1/2004).
 STEL: 2.9 mg/m³ 15 minute/minutes. Form: All forms
 STEL: 1 ppm 15 minute/minutes. Form: All forms
 TWA: 1.5 mg/m³ 8 hour/hours. Form: All forms
 TWA: 0.5 ppm 8 hour/hours. Form: All forms
 OSHA PEL (United States, 8/1997).
 CELL: 3 mg/m³ Form: All forms
 CELL: 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 (1%)
 Dispersibility : Dispersible in cold water, hot water.
 properties :
 Solubility : Soluble in cold water, hot water.

Section 10. Stability and reactivity

Stability : The product is stable.
 Reactivity : Extremely reactive or incompatible with acids.
 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 : These products are halogenated compounds, hydrogen chloride, chlorine, products

Section 11. Toxicological information

Potential acute health effects
 Eyes : Corrosive to eyes.
 Skin : Corrosive to the skin.
 Inhalation : Corrosive to the respiratory system.
 Ingestion : Harmful if swallowed. Causes burns to mouth, throat and stomach.

Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂ etc.), halogenated compounds, phosphates. Some metallic oxides.

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.
 Consult your local or regional authorities.

Section 14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Additional Information
DOT Classification	UN3262	Corrosive solid, basic, inorganic, n.o.s. (disodium metasilicate)	8	II	Limited quantity Yes. Special provisions IBS, IP2, IP4

APPLES ONLY DURING ROAD TRANSPORT
 Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification : Corrosive material
 U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: None.
 TSCA 8(b) inventory : SARA 302/304 emergency planning and notification: None.
 California Prop. 65 : All materials are listed or exempt.
 : No products were found.

Section 16. Other information

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

Health	3
Fire hazard	0
Reactivity	1
Personal protection	C

Date of issue : 26-July-2005.
 Responsible name : Regulatory Affairs.
 Date of previous issue : No previous validation.
 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.

#49142



Ecolab Inc.

Ecolab Center
St. Paul, Minnesota 55102

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MATERIAL SAFETY DATA SHEET Page 1 of 2
MEDICAL EMERGENCIES ONLY (24 Hour Service): 1-800-328-0026
Medical Calls from Outside of the USA: 1-612-851-8162

INSTITUTIONAL DIVISION Ecolab Inc.

Ecolab Center St. Paul MN 55102

Product Information: 1-800-352-5326

Issue Date: May 4, 1999

1.0 IDENTIFICATION /

- 1.1 Product Name: GUARDIAN ACCLAIM
- 1.2 Product Type: Chlorinated Alkaline Powdered Machine Warewash Detergent
- 1.3 Hazard Rating: Health: 3 Fire: 0 Reactivity: 1

Substances Subject to SARA 313 Reporting Are Indicated by "#"

2.0 HAZARDOUS COMPONENTS /

		CAS No.	%	(mg/m3)	
				PEL	TWA
2.1	Sodium metasilicate	6834-92-0	27	No	No
2.2	Sodium dichloroisocyanurate dihydrate	51580-86-0	1	No	0.5*
				*Supplier recommendation	
2.3	Sodium tripolyphosphate	7758-29-4	18	No	No
2.4	Sodium carbonate (soda ash)	497-19-8	52	No	No

*Note: For nuisance particulates (in mg/m3):
ACGIH TWA = 10 inhalable and/or 3 respirable;
OSHA PEL = 15 total and/or respirable.

STEL = ACGIH short term exp. limit (15 min) PEL = OSHA 8 hr ave in air
TWA = ACGIH 8 hr average C = ceiling limit in air, do not exceed

3.0 PHYSICAL DATA /

- 3.1 Appearance: Blue speckled powder; faint chlorine odor
- 3.2 Solubility in Water: Appreciable
- 3.3 pH: 10.5-11.5 (0.2%)

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: None
- 4.2 Fire Fighting Methods: Does not support combustion. Use CO2 for small fires near this product, since wetting product can cause an exothermic reaction. Extinguish thermal decomposition by flooding with water.

5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of handling. Keep product dry. Do not store in a wet or moist area.
- 5.2 Conditions to Avoid: Reacts violently with acids.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Pick up without raising dust. Flush area with water.
- 6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal.

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Product: GUARDIAN ACCLAIM
INSTITUTIONAL DIVISION Ecolab Inc.
MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

RECEIVED KODA
ON AUG 16 PM 3:17

7.0 HEALTH HAZARD DATA / DANGER

7.1 Effects of Overexposure to Concentrate:
Eyes: CAUSES CHEMICAL BURNS. May cause blindness.
++ Immediate water flushing is vital in case of eye contact
Skin: CAUSES CHEMICAL BURNS. Harmful contact may not cause
Immediate pain.
If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth
throat and stomach.
If Inhaled: Damages airways and lungs, depending on amount and
duration of exposure. Effects vary from irritation to bronchitis or
pneumonia. People with lung problems may be more affected.

8.0 FIRST AID /

8.1 Eyes: Flush at once with cool running water. Remove contact
lenses. Continue flushing for at least 15 minutes, holding eyelids
apart so as to rinse entire eye. CALL A PHYSICIAN IMMEDIATELY.
8.2 Skin: Immediately flush skin with plenty of cool running water for
at least 15 minutes while removing contaminated clothing and shoes;
discard or wash well before reuse.
8.3 If Swallowed: Rinse mouth at once; then drink 1 or 2 large glasses
of water. DO NOT induce vomiting. NEVER give anything by mouth to
an unconscious person.
8.4 If Inhaled: Immediately move to fresh air.

IMMEDIATELY CALL THE MEDICAL EMERGENCY NUMBER, 1-800-328-0026,
A POISON CONTROL CENTER OR A PHYSICIAN

9.0 PROTECTIVE MEASURES /

9.1 CONCENTRATE:
Eyes: Wear chemical splash goggles. For continued or severe
exposure wear a face shield over the goggles.
Skin: Use industrial rubber glove, other protection as necessary
to avoid skin contact.
Respiratory: Avoid breathing dusts or mists of this product.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 Purpose of 05/04/1999 issue: Review and revise section 2.

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the
formula used to manufacture the product. 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.