

Material Safety Data Sheet

ECOLAB®

LAUNDRI SOUR

Section 1. Chemical product and company identification

Trade name : LAUNDRI SOUR
Product use : Laundry product
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 927756
Date of issue : 14-March-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>
Alkali fluorosilicates (Na)	16893-85-9	>50

Section 3. Hazards identification

Physical state : Solid. [Powder.]
Emergency overview : DANGER !
CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.
HARMFUL IF SWALLOWED.
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. May be harmful if absorbed through skin. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).
Inhalation : Irritating to respiratory system.
Ingestion : Harmful if swallowed. Causes burns to mouth, throat and stomach. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).

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. Apply calcium gluconate gel, if available, or milk of magnesia to affected area. 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 if irritation persists.
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. If available, take several calcium antacid tablets (eg Tums) or several tablespoons of milk of magnesia.

Section 5. Fire fighting measures

Flash point	: > 100°C Product does not support combustion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: 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. Keep container closed. Use only with adequate ventilation. Do not breathe dust. 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.
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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	: Avoid breathing dust.

Name

alkali fluorosilicates (Na)

Exposure limits

ACGIH TLV (United States, 1/2007).

TWA: 2.5 mg/m³, (as F) 8 hour(s).

OSHA PEL (United States, 11/2006).

TWA: 2.5 mg/m³, (as F) 8 hour(s).

OSHA PEL Z2 (United States, 11/2006).

TWA: 2.5 mg/m³ 8 hour(s). Form: Dust

Section 9. Physical and chemical properties

Physical state	: Solid. [Powder.]
Color	: Off-white.
Odor	: Odorless.
pH	: 3.1 [Conc. (% w/w): 1%]
Boiling/condensation point	: >100°C (>212°F)
Dispersibility properties	: Partially dispersible in hot water. Very slightly dispersible in cold water.
Solubility	: Partially soluble in hot water. Very slightly soluble in cold water.

Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Highly reactive with acids, alkalis. Reactive with metals.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin. May be harmful if absorbed through skin. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).
Inhalation	: Irritating to respiratory system.
Ingestion	: Harmful if swallowed. Causes burns to mouth, throat and stomach. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).

Potential chronic health effects

Target organs	: Contains material which causes damage to the following organs: eyes, bones, teeth. Contains material which may cause damage to the following organs: skin, stomach. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).
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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

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	UN2674	Sodium fluorosilicate, mixture	6.1	III	Not available.

APPLIES 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 Target organ effects
U.S. Federal regulations	: United States inventory (TSCA 8b) : All components are listed or exempted. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.
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 : 14-March-2008.
Responsible name : Regulatory Affairs
Date of previous issue : 17-March-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.