

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

Ecolab Inc.
St. Paul MN 55102

Product Information: 1-612-293-2233
Date of Issue: July 8, 1988

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1.0 IDENTIFICATION /

- 1.1 Product Name: ECO-SAN
- 1.2 Product Type: Liquid sodium hypochlorite sanitizer

2.0 HAZARDOUS COMPONENTS /

2.1 Sodium hypochlorite 7681-52-9

* (PEL for chlorine = 3 C)

This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

	%	TLV (mg/m3)	
		PEL	Other
	10	*	*

3.0 PHYSICAL DATA /

- 3.1 Appearance and Odor: Clear light yellow liquid with chlorine odor
- 3.2 Solubility in Water: Complete
- 3.3 pH: (1%) 10.5
- 3.4 Boiling Point: >212 deg F Specific Gravity: 1.16-1.17

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: See Line 5.1
- 4.2 Fire Fighting Methods: Product does not support combustion.

5.0 REACTIVITY DATA /

- 5.1 Stability: High temperatures may generate hazardous decomposition products including chlorine gas.
- 5.2 Conditions to Avoid: Mix only with water. Do not mix with acids or ammonia - will cause hazardous vapors.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Dike or dam large spills. Pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer.
- 6.2 Waste Disposal: This product is listed D002 Corrosive by RCRA criteria.

UNK = Unknown at this time PEL = Permissible Exposure Limit
 TLV = Threshold Limit Value STEL = Short Term Exposure Level
 C = Ceiling Limit, Not To Be Exceeded

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7.0 HEALTH HAZARD DATA /

DANGER

7.1 Effects of Overexposure:

Skin and Eyes: CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness.

If Swallowed: HARMFUL Causes chemical burns of mouth, throat and stomach.

If Inhaled: Damages airways and lungs, depending upon amount and duration of exposure. Effects can vary from slight irritation to bronchitis or pneumonia. People with asthma or other lung problems may be more susceptible.

8.0 FIRST AID /

8.1 Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the 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. Wash clothing before reuse.

8.3 If Swallowed: Rinse mouth at once; then drink 1 or two large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.

8.4 If Inhaled: Immediately move to fresh air.

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY

9.0 SPECIAL PROTECTION INFORMATION /

9.1 Respiratory: Avoid breathing dusts or mists of this product.

Skin: Rubber gloves - protective cuff or gauntlet type preferred.

Eyes: Splashproof glasses, goggles or face shield.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 DOT Class: Corrosive Material UN 1791.

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.