

931832 MATERIAL SAFETY DATA SHEET
 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: June 16, 1999

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1.0 IDENTIFICATION /

1.1 Product Name: AQUA SOFT

1.2 Product Type: Aqueous Acidic Laundry Sour/Softener

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.	%	PEL	TWA
2.1	# Phosphoric acid	7664-38-2	16	1	1*
				*(ACGIH STEL = 3)	
2.2	Quaternary ammonium chloride compounds mixture		3	No	No
2.3	This product contains no other components considered hazardous according to the criteria of 29 CFR 1910.1200.				

 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: Opaque light blue-green liquid; floral fragrance
 3.2 Solubility in Water: Mixes with water in all proportions
 3.3 pH: 1.5 - 2.5 (1%)
 3.4 Initial Boiling Point: >212 deg F
 3.5 Specific Gravity: 1.085 @ 68 deg F

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None
 4.2 Fire Fighting Methods: Does not support combustion.

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of use and handling.
 5.2 Conditions to Avoid: Mix only with water. Reacts with metals;
 reacts vigorously with alkaline chemicals. Do not mix with
 chlorinated detergents or sanitizers - 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 small amounts or residue to sanitary
 sewer; rinse area thoroughly.
 6.2 Waste Disposal: Consult state/local authorities for limits on
 chemical waste disposal. Unused product is RCRA Corrosive (D002).

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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.
If Inhaled: Vapors cause irritation, including a burning taste,
coughing and difficulty breathing. People with asthma or other
lung problems may be more affected.

8.0 FIRST AID /

- 8.1 Eyes: Flush at once with cool running water. Remove contact lenses and continue flushing for 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 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: Use chemical splash goggles. For continued or severe exposure, wear a face shield over the goggles.
Skin: Use any industrial rubber glove, other protective equipment as needed to prevent skin contact.
Respiratory: Avoid breathing mists or vapors of this product.
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10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

- 10.1 Keep from freezing.
- 10.2 Purpose of 6/16/1999 issue: QC and editorial update. Replaces December 11, 1998 issue.

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.