

942771 MATERIAL SAFETY DATA SHEET
 MEDICAL EMERGENCIES ONLY (24 Hour Service): 1-800-328-0026
 Medical Calls from Outside of the USA: 1-651-222-5352
 INSTITUTIONAL DIVISION Ecolab Inc.
 Ecolab Center St. Paul MN 55102
 Product Information: 1-800-352-5326 Issue Date: March 29, 2001

1.0 IDENTIFICATION /

1.1 Product Name: LIME-A-WAY 10.2P

1.2 Product Type: Liquid High Acid Cleaner/Delimer

1.3 Hazard Rating: Health: 3 Fire: 0 Reactivity: 0

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

2.0 HAZARDOUS COMPONENTS /

			(mg/m3)	
	CAS No.	%	PEL	TWA
2.1 Phosphoric acid	7664-38-2	32	1	1*
			*ACGIH STEL = 3	
2.2 Nonionic surfactant	confidential	1-5	No	No

 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: Clear green liquid; mild organic odor
 3.2 Solubility in Water: Mixes with water in all proportions
 3.3 pH: 1.0 - 1.5 (100%); 2.0 - 3.0 (1%)
 3.4 Initial Boiling Point: > 212 deg F
 3.5 Specific Gravity: 1.205 @ 68 deg F

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None
 4.2 Fire Fighting Methods: Product 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 residue or small spills to sanitary sewer.
- 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.
 - Skin: CAUSES CHEMICAL BURNS.
 - If Swallowed: HARMFUL. Causes chemical burns of mouth, throat and stomach.
 - If Inhaled: Vapors or mist cause irritation, including a burning taste, sneezing, 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 FOR CONCENTRATE:
 - Eyes: Wear chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
 - Skin: Wear any industrial rubber gloves, other protective equipment as necessary to prevent skin contact.
 - Respiratory: Avoid breathing mists or vapors of this product.
 - Note: Access to emergency eye wash and shower is recommended.

10.0 ADDITIONAL INFORMATION /

- 10.1 Purpose of 3/29/2001 issue: Remove SARA 313 for phosphoric acid. Replaces January 14, 2000 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.