

Ecolab Center
St. Paul, Minnesota 5510212021 MATERIAL SAFETY DATA SHEET: USA Page 1 of 2
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: June 27, 2003

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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 /

	CAS No.	%	PEL	TWA
2.1 Phosphoric acid	7664-38-2	32	I	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 (at 100%); 2.0 - 3.0 (at 1%)
3.4 Initial Boiling Point: > 212 deg F / 100 deg C
3.5 Specific Gravity: 1.205 @ 68 deg F / 20 deg C

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None, does not support combustion.
4.2 Fire Fighting Methods: Use method appropriate for surrounding fire.

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 / WEAR 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 authority 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. SEEK MEDICAL ATTENTION 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 impervious 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 6/27/2003 issue: Add line 10.2; editorial update.
Replaces March 29, 2001 issue.

10.2 Do not mix with bleach or other chlorinated products - will cause chlorine gas.

KEEP OUT OF REACH OF CHILDREN

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.