



Ecolab Center  
St. Paul, Minnesota 55102

Ecolab Inc.

15210

\*MATERIAL SAFETY DATA SHEET\*

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MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026  
Medical Calls from Outside of the USA: 612 292 4064 (USA)

INSTITUTIONAL DIV., Ecolab Inc. Product Information: 1-800-352-5326  
Ecolab Ctr. St. Paul MN 55102 Date of Issue: March 31, 1995

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1.0 IDENTIFICATION /

1.1 Product Name: CLINGING LIMEAWAY  
1.2 Product Type: Acid Cleaner

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++ SARA 313 Toxic Chemicals, If Present, Are Preceded by "H" ++  
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2.0 HAZARDOUS COMPONENTS /

			(mg/m3)
		%	PEL Other
2.1 # Phosphoric acid	7664-38-2	28	1 1*

\*ACGIH STEL = 3

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UNK = Unknown at this time  
STEL = 15 Minute Average

PEL = OSHA 8 Hour Average  
C = Ceiling Limit; Do Not Exceed

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3.0 PHYSICAL DATA /

3.1 Appearance: Viscous green liquid with bland odor  
3.2 Solubility in Water: 100%  
3.3 pH: <1  
3.4 Initial Boiling Point: >212 DEG F  
3.5 Specific Gravity: 1.2

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4.0 FIRE AND EXPLOSION DATA /

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

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5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of 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.

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6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Rinse small amounts to sanitary sewer where possible, or  
mop up and rinse area thoroughly with water.  
6.2 Waste Disposal: Unused product as a waste is Corrosive (D002) by  
RCRA criteria. Consult state and local authorities for  
restrictions on disposal of chemical waste.



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7.0 HEALTH HAZARD DATA /

DANGER

7.1 Effects of Overexposure to Concentrate:

Skin and Eyes: Can cause severe irritation, possible chemical burns.

If Swallowed: Harmful. Can cause chemical burns of mouth, throat and stomach.

If Inhaled: Vapors 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 immediately with plenty of cool running water. Remove contact lenses. Holding eyelids apart, continue flushing for 15 minutes.

8.2 Skin: Flush skin with plenty of cool running water. Wash thoroughly with soap and water.

8.3 If Swallowed: Rinse mouth; then drink 1 or 2 large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.

IMMEDIATELY CALL A POISON CONTROL CENTER, A PHYSICIAN OR  
THE ECOLAB 24-HOUR MEDICAL EMERGENCY NUMBER (1-800-328-0026)

9.0 PROTECTIVE MEASURES /

9.1 CONCENTRATE:

Respiratory: Avoid breathing mists or vapors of this product.

Eyes: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

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

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

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.