

983668-01

## \*MATERIAL SAFETY DATA SHEET\*

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

KLENZADE, Div. of Ecolab Inc. Product Information: 1-612-451-4255  
Ecolab Ctr. St. Paul MN 55102 Date of Issue: November 2, 1994

**1.0 IDENTIFICATION /****1.1 Product Name:** CUTTER ACID

1.2 Product Type: Acid cleaner

++ SARA 313 Toxic Chemicals, If Present, Are Preceded by "#" ++

**2.0 HAZARDOUS COMPONENTS / (mg/m3)**

	%	PEL	Other
2.1 Sulfamic Acid 5329-14-6 *(Supplier recommendation)	97	None	1*
2.2 This product contains no other components considered hazardous according to the criteria of 29 CFR 1910.1200.			

UNK = Unknown at this time PEL = OSHA 8 Hour Average  
STEL = 15 Minute Average C = Ceiling Limit; Do Not Exceed

**3.0 PHYSICAL DATA /**

3.1 Appearance: Blue free-flowing powder; low odor

3.2 Solubility in Water: Complete

3.3 pH: (1%) 1.7

**4.0 FIRE AND EXPLOSION DATA /**

4.1 Special Fire Hazards: High temperatures may generate hazardous decomposition products including ammonia or oxides of sulfur.

4.2 Fire Fighting Methods: Product does not support combustion.

**5.0 REACTIVITY DATA /**

5.1 Stability: Stable under normal conditions of handling.

5.2 Conditions to Avoid: Mix only with water. Reacts with some 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: Pick up without raising dust. Flush area with water.

6.2 Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical waste.

**7.0 HEALTH HAZARD DATA /**

DANGER

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**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.

**7.2 The oral LD 50 (rat) is 1600 mg/kg for technical sulfamic acid.**

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**8.0 FIRST AID /**

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**8.1 Eyes:** Flush at once with cool running water. Remove contact lenses; continue flushing at least 15 minutes, holding eyelids apart to ensure rinsing of 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 2 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.

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

**9.0 PROTECTIVE MEASURES /**

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**9.1 CONCENTRATE:**

Respiratory: Avoid breathing dusts or mists 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 /**

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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.

