

12034

MATERIAL SAFETY DATA SHEET: USA

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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: September 24, 2002

1.0 IDENTIFICATION /

- 1.1 Product Name: **KEYSTONE QUATERNARY SANITIZER**
1.2 Product Type: Quaternary Ammonium Sanitizer - EPA No 47371-180-1677
1.3 Hazard Rating: Health: 3 Fire: 0 Reactivity: 0

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

2.0 HAZARDOUS COMPONENTS /

			(in mg/m3)	
	CAS No.	%	PEL	TWA
2.1 Alkyl dimethyl benzyl ammonium chloride	8001-54-5	6	No	No
2.2 Didecyl dimethyl ammonium chloride	7173-51-5	8	No	No
2.3 Ethanol (ethyl alcohol)	64-17-5	1-5	1900	1880
2.4 This product contains no other components considered hazardous according to the criteria of 29 CFR 1910.1200.				

PEL = OSHA 8 hour average in air

TWA = ACGIH 8 hour average in air

3.0 PHYSICAL DATA /

- 3.1 Appearance: Clear blue liquid; sweet odor
3.2 Solubility in Water: Mixes with water in all proportions
3.3 pH: 6.0 - 8.0 (at 100%)
3.4 Initial Boiling Point: > 212 deg F / 100 deg C
3.5 Specific Gravity: 0.987 @ 68 deg F / 20 deg C

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: May flash, but does not support combustion.
4.2 Fire Fighting Methods: Use method appropriate for surrounding fire.
4.3 Flash Point: 139 deg F / 59 deg C (Closed Cup, ASTM 3828)

5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of use and handling.
5.2 Conditions to Avoid: Do not mix with anything but water. Anionic surfactants reduce effectiveness of quat compounds.

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 to sanitary sewer.
6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal. Do not let product enter directly into rivers or lakes.

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7.0 HEALTH HAZARD DATA / DANGER

7.1 Effects of Overexposure to Concentrate:

Eyes: Causes severe irritation. Untreated contact may cause chemical burns, permanent damage, or blindness.

Skin: Causes moderate to severe irritation. Untreated contact may cause severe irritation or chemical burns.

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

If Inhaled: Mists may cause irritation to mouth, throat, or lungs.

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: Provide access to emergency eye wash and shower.

10.0 ADDITIONAL INFORMATION /

10.1 Purpose of 9/24/2002 issue: Add flash point. Editorial update.
Replaces April 25, 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 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.