

903808 MATERIAL SAFETY DATA SHEET: USA
 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 13, 2002

1.0 IDENTIFICATION /

1.1 Product Name: 14-ANTIBACTERIAL ALL PURPOSE CLEANER

1.2 Product Type: Liquid Quat Sanitizer - EPA No. 6836-78-1677

1.3 Hazard Rating: Health: 3 Fire: 1 Reactivity: 0

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

2.0 HAZARDOUS COMPONENTS /

	CAS No.	%	PEL	TWA
2.1 Quaternary ammonium chloride compounds mixture		20-50	No	No
2.2 Nonionic surfactant	68439-46-3	5-20	No	No
2.3 Chelating agent	64-02-8	1-5	No	No
2.4 Ethanol (ethyl alcohol)	64-17-5	1-5	1900	1880

 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 yellow liquid; pine fragrance
 3.2 Solubility in Water: Mixes with water in all proportions
 3.3 pH: 12.5 - 13.5 (at 100%)
 3.4 Initial Boiling Point: 212 deg F / 100 deg C
 3.5 Specific Gravity: 1.010 @ 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: 128 deg F / 53 deg C

5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of use and handling.
 5.2 Conditions to Avoid: Anionic surfactants reduce effectiveness of quat compounds. Mix only with water according to label directions.

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.

7.0 HEALTH HAZARD DATA /

DANGER

7.1 Effects of Overexposure to Concentrate:

Eyes: Corrosive. Causes chemical burns, permanent damage, or blindness.

Skin: Causes severe irritation or chemical burns.

If Swallowed: Harmful. Causes 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, synthetic apron, 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 6/13/2002 issue: First 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,