

Ecolab Center  
St. Paul, Minnesota 55102

13227

**MATERIAL SAFETY DATA SHEET**

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**MEDICAL EMERGENCIES ONLY (24 Hour Service):** 1-800-328-0026

Medical Calls from Outside of the USA: 1-612-851-8162

INSTITUTIONAL DIVISION Ecolab Inc.

Ecolab Center St. Paul MN 55102

Product Information: 1-800-352-5326

Issue Date: May 13, 1999

## =====

## 1.0 IDENTIFICATION /

1.1 Product Name: MIKRO QUAT

1.2 Product Type: Quaternary Detergent Disinfectant Quaternary Detergent Dis

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

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

## 2.0 HAZARDOUS COMPONENTS /

|   | CAS No.    | % | (mg/m3) |      |
|---|------------|---|---------|------|
|   |            |   | PEL     | TWA  |
| 2.1 Alkyl dimethyl benzyl ammonium chloride   | 68424-85-1 | 9 | No      | No   |
| 2.2 Ethanolamine (MEA)  | 141-43-5   | 2 | 6       | 7.5* |
| *ACGIH STEL = 15  |            |   |         |      |
| 2.3 This product contains no other components considered hazardous according to the criteria of 29 CFR 1910.1200. |            |   |         |      |

STEL = 15 Minute Average

PEL = OSHA 8 Hour Average in Air

TWA = ACGIH 8 Hour Average

C = Ceiling Limit in Air; Do Not Exceed

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## 3.0 PHYSICAL DATA /

3.1 Appearance: Dark red liquid.

3.2 Solubility in Water: Mixes with water in all proportions

3.3 pH: 11.0 - 11.7 (100%)

3.4 Initial Boiling Point: &gt;212 deg F

3.5 Specific Gravity: 1.01 @ 68 deg F

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## 4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: None

4.2 Fire Fighting Methods: Does not support combustion.

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## 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.

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## 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. Rinse empty container thoroughly with water before discarding.

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7.0 HEALTH HAZARD DATA / DANGER

7.1 Effects of Overexposure to Concentrate:  
Eyes: Corrosive, causes severe damage.  
Skin: Causes severe irritation.  
If Swallowed: Harmful. Can cause chemical burns of mouth, throat  
and stomach.

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8.0 FIRST AID /

8.1 Eyes: Flush immediately with cool running water. Remove contact  
lenses and continue flushing for 15 minutes.  
8.2 Skin: Flush skin with water; wash with soap and water. Remove  
and wash contaminated clothing before reuse.  
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.

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IMMEDIATELY CALL THE MEDICAL EMERGENCY NUMBER, 1-800-328-0026,  
A POISON CONTROL CENTER OR A PHYSICIAN

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9.0 PROTECTIVE MEASURES /

9.1 CONCENTRATE:  
Eyes: Wear chemical splash goggles. For continued or severe  
exposure wear a face shield over the goggles.  
Skin: Wear industrial rubber gloves, other protection as necessary  
to avoid skin contact.

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10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 Avoid contamination of food or food products. Do not store with  
food products.  
10.2 Purpose of 05/13/1999 issue: QC and editorial update. Replaces  
May 29, 1997 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. 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.