

918599 MATERIAL SAFETY DATA SHEET  
 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: April 25, 2000

## 1.0 IDENTIFICATION /

### 1.1 Product Name: SAN MAX

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 (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.

## 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.

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**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. 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. 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

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**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: Use industrial rubber gloves, other protection as necessary to avoid skin contact.

Respiratory: Avoid breathing mists of this product.

9.2 USE SOLUTIONS prepared according to label instructions are not considered hazardous according to criteria of 29 CFR 1910.1200.

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**10.0 ADDITIONAL INFORMATION/PRECAUTIONS /**

10.1 Purpose of 4/26/2000 issue: QC and editorial update.  
Replaces July 16, 1999 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.