



Ecolab Center  
St. Paul, Minnesota 55102

Ecolab Inc.

61034132

\*MATERIAL SAFETY DATA SHEET\*

Page 1 of 2

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

ECOLAB PROFESSIONAL PRODUCTS  
DIVISION OF ECOLAB INC.  
Ecolab Center, ST. PAUL, MN 55102

For Product Information,  
Call: 1-800-247-5362  
Date of Issue: November 16, 1996

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1.0 IDENTIFICATION /

1.1 Product Name: **SANA SAN BOWL & PORCELAIN CLEANER**  
1.2 Product Type: Acid Bowl Cleaner  
1.3 Hazard Rating: Health - 2 Fire - 0 Reactivity - 0

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

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2.0 HAZARDOUS COMPONENTS /

		(mg/m3)
	%	PEL TWA
2.1 # Hydrochloric acid (muriatic acid) 7647-01-0	5-15	7 C 7 C

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PEL = OSHA 8 Hour Average in Air TWA = ACGIH 8 Hour Average in Air

3.0 PHYSICAL DATA /

3.1 Appearance: Blue liquid; acid odor  
3.2 Solubility in Water: Mixes with water in all proportions.  
3.3 pH: 1.5 - 2.5 (100%)  
3.4 Initial Boiling Point: 212 deg F  
3.5 Specific Gravity: 1.05

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: High temperatures may generate hazardous decomposition products including release of corrosive gases.  
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 metals; reacts vigorously with alkaline chemicals. Do not mix with chlorinated detergents or sanitizers - will cause hazardous vapors. Forms poisonous gases with oxidizers, cyanides, or sulfides.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Rinse small amounts to drain where possible. Dike or dam large spills; pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer; rinse area thoroughly.  
6.2 Waste Disposal: Consult state/local authorities for limits on chemical waste disposal. Unused product is RCRA Corrosive (D002).



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Page 2 of 2  
921048

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## 7.0 HEALTH HAZARD DATA /

DANGER

### 7.1 Effects of Overexposure to Concentrate:

Skin and Eyes: Can cause severe irritation or chemical burns.

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

If Inhaled: Vapors cause irritation, including a burning taste, coughing and difficulty breathing. People with asthma or other lung problems may be more affected.

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## 8.0 FIRST AID /

**8.1 Eyes:** Flush at once with cool running water. Remove contact lenses, hold eyelids apart so as to rinse entire eye and continue flushing for 15 minutes.

**8.2 Skin:** Flush skin with plenty of cool running water. Wash thoroughly with soap and water. Remove contaminated clothing and shoes; wash well 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.

**8.4 If Inhaled:** If affected, 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 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: Use industrial rubber glove, other protection as necessary to avoid skin contact.

**9.2 USE SOLUTIONS:** Avoid contact with use solutions. These may also be hazardous.

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## 10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

**10.1 Purpose of 11/16/96 edition:** First issue in Ecolab format

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.