

# Material Safety Data Sheet

JUN 10 1991  
Res life  
23% HCl

HMS\*

## SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Distributor Name: Elkhorn Chemical Co., Inc. Product Name: ELKO BOWL CLEANER  
 Address: One Elko Lane, PO Box 80, Elkhorn, WI 53121 Date Prepared: 5-1-88  
 Emergency Telephone No. And Other Information Calls: 414-723-2646 Prepared by Regulatory Affairs Department

<b>H</b> HEALTH	4
<b>F</b> FLAMMABILITY	0
<b>R</b> REACTIVITY	0
<b>PERSONAL PROTECTION</b> NC-1503R ©1981 NFPA	X

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Hydrochloric Acid	7647-01-0	N/A	5 ppm	N/A	23.0%
N-Alkyl Dimethylbenzyl Ammonium Chloride	68391-01-5	N/A	N/A	N/A	0.05

**THIS PRODUCT CONTAINS A CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS FOR SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR Part 372.**

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.122
Vapor Pressure (mm Hg.)	30 mm @25°C	Percent Volatile By Volume (%)	> 95%
Vapor Density (AIR = 1)	N/E	Evaporation Rate (_____ 1)	N/E
Solubility in Water	Complete	Appearance and Odor	Orange color/mint fragrance

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	None	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media	N/A			
Special Fire Fighting Procedures	N/A			

Unusual Fire and Explosion Hazards: Release of corrosive hydrogen chloride gas may result at elevated temperatures. Reacts with oxidizers, cyanides and sulfides to form poisonous gas.

## SECTION V - PHYSICAL HAZARDS

Stability: Unstable  Stable  Conditions to Avoid: Contact with light metals may generate hydrogen gas.  
 Incompatibility (Materials to Avoid): Ammonia; bleach - Do not mix with other chemicals.  
 Hazardous Decomposition Products Or Byproducts: Chlorine Gas; Hydrogen Gas

Hazardous Polymerization: May Occur  Will Not Occur  Conditions To Avoid: N/A

N/A (Not Applicable/Not Available)  
 N/F (Not Established)

Route(s) of Entry: Inhalation?  Skin?  Ingestion?

Health Hazards (1. Acute and 2. Chronic) Acute - Causes chemical burns. Chronic - no information on chronic health hazard is currently available.

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes No  I.A.R.C. Monographs Yes No  OSHA Yes No

Signs and Symptoms of Exposure Irritation, burning of skin, mucous membranes and respiratory system.

Medical Conditions Generally Aggravated by Exposure Persons with respiratory ailments may find those conditions aggravated during personal use of this product.

Emergency and First Aid Procedures Eye contact - Immediately flush eye with plenty of water for 15 minutes. Get medical attention. Skin contact - Flush skin immediately with cool water. Wash with soap and water. Remove contaminated clothing. Inhalation - Remove to fresh air. Get medical attention. Ingestion - Do not induce vomiting. Give milk, water or egg whites and get medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material is Released Or Spilled Ventilate area to dissipate fumes. Contain spill and collect in approved container. Rinse with dilute bicarbonate solution to neutralize residue.

Waste Disposal Method Waste or unused material may be rendered non-hazardous by neutralization with dilute alkaline solution. Caution - Never add concentrated alkali to this product. Triple rinse container, wrap and discard in trash.

Precautions To Be Taken In Handling And Storing Keep container closed when not in use. Use with toilet bowl mop or applicator. Use only according to label directions. Do not mix with other chemicals.

Other Precautions Keep out of reach of children. Avoid contact with skin or eyes. Avoid prolonged breathing of vapor.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type) Not normally required. If sprayed use NIOSH Approved Respirator TC-21C-279/TC-23C-736/TC-23C-745

Ventilation  Local Exhaust Adequate Mechanical (General) -----  NOT required ----- Other

Protective Gloves Rubber Eye Protection Face shield and/or chemical goggles

Other Protective Clothing Or Equipment Rubber apron and boots recommended

Work/Hygiene Practices Good housekeeping practices apply.

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