

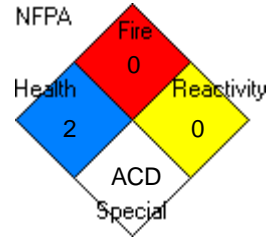
**MSDS - Material Safety Data Sheet****Product Name: Bowl Cleaner****MSDS No.: 02****I. Basic Information:**

**Manufacturer:** Lanco Chemical  
**Address:** Box 473  
**City, ST Zip:** Mansfield, OH 44901

**Last Update:** 8/17/98

**Chemical State:**  Liquid  Gas  Solid

**Chemical Type:**  Pure  Mixture



2	Health
0	Flammability
0	Reactivity
B	Pers. Protection

**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SARA SUB Z 313	OSHA PEL	ACGIH TLV	Other Limits
7647010	Hydrochloric acid	23							
0	Surfactants	1-5							
7732185	Water	<80							

**III. Hazardous Identification:****Hazard Category:**

Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**

Corrosive-May be fatal or harmful if swallowed. Vapors harmful. Produces chemical burns to eyes and skin.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, Ingestion

**Health Hazards (Acute and Chronic):**

Corrosive

**Signs and Symptoms:**

Chemical burns to eyes and skin.

**Medical Conditions Generally Aggravated by Exposure:**

NA

**Emergency and First Aid Procedures:**

Swallowed-Call physician immediately. Drink a teaspoon or more of milk of magnesia or cup of soapy water followed with milk or raw egg whites. Eye-Wash with water for 15 minutes. Get prompt medical attention. Skin-Wipe off acid gently, flood surface with water using freely. Then cover with moist milk of magnesia or baking soda.

**Other Health Warnings:**

NA

# MSDS - Material Safety Data Sheet

**Product Name:** *Bowl Cleaner*

**MSDS No.:** 02

## V. Fire Fighting Measures:

**Flash Point:** None                      **Lower Explosive Limit:** NA                      **Upper Explosive Limit:** NA

**Fire Extinguishing Media:** NA

**Special Fire Fighting Procedures:**  
NA

**Unusual Fire and Explosion:**  
NA

## VI. Accidental Release Measures:

**Steps to be Taken in Case Material is Released or Spilled:**

Dike and contain spill with inert material. Collect spill with absorbant material or vacuum. Thoroughly rinse affected area with water.

## VII. Handling and Storage:

**Precautions to be Taken:**

Keep container closed during storage. Store in original container only.

**Other Precautions:**

Keep out of reach of children. For use by trained personnel only. For institutional and industrial use only.

## VIII. Exposure Controls/Personal Protection:

**Ventilation Requirements:**

Use with adequate ventilation.

**Personal Protective Equipment:**

Protective gloves-Acid proof gloves    Eye protection-Approved safety goggles, face shield or glasses.    Footwear-Not required

## IX. Physical and Chemical Properties:

**Boiling Point:** 210 F                      **Melting Point:** NA                      **Evaporation Rate:** NA

**Vapor Pressure (mm Hg.):** 35@68 F                      **Vapor Density (AIR = 1):** >1

**Solubility In Water:** Complete

**Appearance and Odor:** Thin milky liquid, acidic odor

**Other Information:** Specific Gravity-1.1

## X. Stability and Reactivity:

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

# MSDS - Material Safety Data Sheet

**Product Name:** *Bowl Cleaner*

**MSDS No.:** 02

Strong bases, bleach

**Decomposition/By Products:**

Acidic vapors in fire

**Hazardous Polymerization:**

Will not occur

## **XI. Toxicological Information:**

Not determined

## **XII. Ecological Information:**

Not determined

## **XIII. Disposal Considerations:**

Dispose of spilled material in accordance with local, state, and federal regulations. Waste from normal product use may be sewerred in compliance with local, state, and federal regulations.

## **XIV. Transport Information:**

Shipping classification-Compound, cleaning liquid, ORM D

## **XV. Regulatory Information:**

NA

## **XVI. Other Information:**

Keep container closed during storage. Store in original container only. Keep out of reach of children. For use by trained personnel only. For institutional and industrial only.

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to information concerning the product referred to in this material safety data sheet.

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