



UTILITY ENTERPRISES, INC.  
700 MAIN STREET, WESTBURY, NY 11590  
(516) 997-6300 - FAX # (516) 997-6345

## MATERIAL SAFETY DATA SHEET

### RADIANT LIQUID BOWL CLEANER

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure, or Accident - Call **INFOTRAC** - Day or Night: **1-800-535-5053**  
**THIS MSDS COMPLIES WITH 29 CFR 1910.1200** (HAZARD COMMUNICATION STANDARD) **IMPORTANT:** Read this MSDS before handling & disposing of this product. Pass this information on to employees, customers and users of this product.

#### PRODUCT IDENTIFICATION

<b>Chemical Family:</b>	ACID	<b>CAS NO.: MIXTURE</b>
<b>DOT Hazard Class:</b>	N/R	<b>UN/NA#: N/R</b>
		<b>DATE OF ISSUE: 4/11</b>

#### SECTION I - HAZARDOUS INGREDIENTS/EXPOSURE LIMITS

<b>Hazardous Ingredients:</b>	<b>CAS #</b>	<b>TLV/PEL</b>	<b>AGENCY</b>	<b>TYPE</b>	<b>SARA-313(% Range)</b>
HYDROCHLORIC ACID	7647-01-0	5PPM	ACGIH	CEIL CON	50-60

#### SECTION II - EMERGENCY AND FIRST AID PROCEDURES

**WARNING: CORROSIVE**

**EYE CONTACT:** Flush eyes immediately with plenty of water for at least 15 minutes. **Seek medical attention.**  
**SKIN CONTACT:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. **Seek medical attention.**  
**INHALATION: (breathing)** Remove to fresh air, give artificial respiration if victim is not breathing. If breathing is difficult, give oxygen. Call a physician immediately.  
**INGESTION: (swallowing)** DO NOT INDUCE VOMITING. Give victim water. Seek emergency medical attention. Do **not** give anything by mouth to an unconscious person. .

#### SECTION III - HEALTH HAZARDS / ROUTES OF ENTRY

**EYE CONTACT:** Will cause burning, strong irritation and tissue damage. Irreversible damage may occur. May cause blindness.  
**SKIN CONTACT:** Will cause burning, strong irritation and tissue damage. Irreversible damage may occur.  
**INHALATION: (breathing)** Strong respiratory tract irritant. Inhalation may cause coughing and choking, and result in damage to mucous membranes and other pulmonary effects.  
**INGESTION: (swallowing)** Corrosive to tissue on contact. May be fatal.

#### SECTION IV - SPECIAL PROTECTION INFORMATION

**VENTILATION:** If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits (see section I), additional ventilation or exhaust systems may be required.  
**RESPIRATORY PROTECTION:** The use of respiratory protection is advised when concentrates exceed the established exposure limits (see Section I). Depending on the airborne concentration the use a respirator or gas mask with appropriate cartridges or canisters (NIOSH approved) or supplied air is recommended.  
**PROTECTIVE GLOVES:** The use of acid resistant gloves is required when handling this product.  
**EYE PROTECTION:** Safety goggles or glasses for protection against potential eye contact, irritation or injury is strongly recommended.

#### SECTION V - REACTIVITY DATA

**STABILITY:** Stable  
**INCOMPATIBILITY:** (materials to avoid) This product is incompatible with: metals, metal oxides, hydroxides, amines, carbonates, and other alkaline metals.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen gas formed on contact with most metals. Hydrochloric acid vapors emitted when heated. Chlorine gas may be formed by electrolysis or oxidation.  
**HAZARDOUS POLYMERIZATION:** Will not occur

#### SECTION VI - SPILL OR LEAK PROCEDURES

**PRECAUTIONS IN CASE OF LEAK OR SPILL:** Absorb spill with inert material, then place in a chemical waste container. Neutralize with soda ash or lime. For large spills, dike for later disposal. Dispose of product in accordance with local, state and federal regulations.



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**SECTION VII - STORAGE AND SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE PRECAUTIONS:** Do not get in eyes, skin or clothing. Do not breathe vapor mist or gas. Keep containers tightly closed. Empty containers contain residue (liquid and/or vapor) and can be dangerous.

**Emergency Overview HEALTH HAZARD:** DANGER! CAUSES EYE, SKIN, AND RESPIRATORY TRACT BURNS!

**SECTION VIII - FIRE AND EXPLOSION HAZARD DATA**

**EXTINGUISHING MEDIA:** Water (flood with water), dry chemical, CO<sub>2</sub>, or a universal type foam.

**FIRE AND EXPLOSION HAZARD:** None expected; however, explosive gases can be produced by the reaction of hydrochloric acid with metals.

**FIRE FIGHTING PROCEDURES:** Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section IV). Stop spill/release if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

**SECTION IX - PHYSICAL DATA**

**APPROXIMATE BOILING POINT (DE F):** >200

**PERCENT VOLATILE:** 99

**SPECIFIC GRAVITY (68 F):** >1

**FLASH POINT (TCC, DEG F):** NONE

**RELATIVE EVAPORATION RATE (ESTIMATED):** <1

**PERCENT SOLUBILITY IN WATER:** 99

**VAPOR PRESSURE @20C mmHg (CALCULATED):** <1

**SECTION X - OTHER REGULATORY DATA**

**SARA**

**SECTION 302:** NONE  
**SECTION 311 & 312:** ACUTE  
**SECTION 313:** See Section II

**HMIS**

Health: 3  
 Flammability: 0  
 Reactivity: 0

**TSCA**

All components are in full compliance with the TSCA inventory.

**CALIFORNIA PROPOSITION 65**

NOT LISTED

**RCRA**

Waste material would be a D002

**CERCLA**

HYDROCHLORIC ACID RQ: 5000 LBS.

**CARCINOGENICITY:**

NOT LISTED with NTP or IARC.

**NOTICE**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformance to contracted specifications. All information appearing herein is based upon data obtained from manufactures and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.