

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **PROMAX BOWL CLEANER**

WHMIS CODE: E

Product Use: *Bowl Cleaner*

Proper Shipping Name: Hydrochloric Acid Solution
Hazard Class: Class 8(9.2), Packing Group II
UN Number: UN 1789

Maxim Chemical International Ltd.
1305 Halifax Street, Regina, SK S4R 1T9
Phone: (306) 347-0444

EMERGENCY PHONE
Canada: Canutec 613-996-6666

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>RANGE %</u>	<u>TLV</u>
HYDROCHLORIC ACID	7647-01-0	10.0-30.0	5 ppm (7 mg/m ³)
LD50 (oral, rabbit):	900 mg/kg		
LD50 (dermal):	Not available		
LC50 (mice, inhalation):	2142 ppm/30 mins (100% HCL)		

SECTION 3 – PHYSICAL DATA

Color and Odor: Milky liquid with pungent odour. **Boiling Point:** 100^oC approx **Vapor Pressure:** Similar to water **pH:** 1.3 (3.1% solution)
Physical State: Liquid **Melting Point:** N/A **Vapor Density:** Similar to water **Specific Gravity:** 1.13
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/A **Solubility in Water:** Soluble **Odor Threshold:** N/D

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to boiling **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None known.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Product is not flammable
Unusual Fire and Explosion Hazards: None
Hazardous Combustion Products: None.
Special Fire Fighting: None

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable **Hazardous Polymerization:** Will not occur.
Incompatibility (material to avoid): Alkaline products or liquids.
Hazardous Decomposition Products: Flammable hydrogen gas may be produced on contact with metals aluminum, zinc. Reacts with hypochlorite to produce chlorine gas.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin and eye contact, inhalation, ingestion
Irritancy of Product: May cause eye and skin irritation.. **Carcinogenicity:** None known.
Sensitization: None **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged exposure may cause permanent skin damage.
Effects of Acute Exposure to Product: Corrosive: Causes burnes and damage to eyes, skin and respiratory tract in concentrated form

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Use respirator when working with concentrated liquid. Avoid inhalation of acid mist
Ventilation: Use with adequate ventilation or local exhaust ventilation for dust generated in confined areas.
Protective Gloves: Use rubber or plastic gloves
Eye Protection: Chemical goggles, safety goggles, or face shield
Protective Cloting and Equipment: Long sleeves coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Store in a cool, dry place away from incompatible materials. Keep container closed when not in use. Do not mix with any other chemicals. Avoid contact with skin, eyes and clothing. Use good industrial hygiene. Store at temperatures below 30°C (86°F).
Disposal Procedures for Spills or Leaks: Absorb spills into sand or absorbent sweeping compound
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F).

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division

PHONE: (306) 347-0444

LAST UPDATE: 05/11

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE