

# MATERIAL SAFETY DATA SHEET

Flammability	Reactivity
Health	Personal Protection

## SECTION I - MATERIAL IDENTIFICATION AND USE

**Material Name** Bowl Master  
**Manufacturer** Crown Chemical Products Inc. **Supplier's Name**  
**Street Address** 6125 Netherhart Road **Supplier's Address**  
 Mississauga, L5T 1G5  
  
**Emergency Tel.** (905) 564-0904  
**Chemical Name** **Chemical Family**  
**Molecular Weight** **Material Use**

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U.N. Numbers	Exposure Limits	LD <sub>50</sub> /LC <sub>50</sub> Specify Species and Route
Hydrochloric Acid	15 - 40	U.N. 1789	TLV-TWA 5PPM 7MG/M <sup>3</sup>	LD50 N/AV LC50 (INHL, RAT) 3124ppm/1HR

## SECTION III - PHYSICAL DATA FOR MATERIAL

**Physical State** Liquid **Odour and Appearance** White opaque, pungent odour.  
**Specific Gravity** 1.10@20C **Evaporation Rate** n/ap **Boiling Point (°C)** 99  
**Freezing Point (°C)** 0 **Solubility in Water (20°C)** infinite **% Volatile (by volume)** 60-100  
**pH** n/ap **Density (g/ml)** 1.12 **Coefficient of Water/Oil Distribution** n/av

## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

**Flammability (If yes, under which conditions:)** No  
**Means of Extinction** n/ap  
**Special Procedures** Protect firefighters against corrosive fumes and liquid if released.  
**Flashpoint (°C) and Method** n/ap **UEL (% By Vol.)** n/av **LEL (% By Vol.)** n/ap  
**Auto Ignition Temp. (°C)** **TDG Flammability Classification** Non-flammable  
**Hazardous Combustion Products** n/av  
**Explosion Data - Sensitivity to Chemical Impact** **Rate of Burning** n/ap  
**Explosive Power** n/ap **Sensitivity to Static Discharge** n/av

## SECTION V - REACTIVITY DATA

**Chemical Stability** No. Bowl cleaner loses Hydrogen Chloride gas upon heating strong base & corrosive  
**Incompatibility to Other Substances** Yes. Most common metals.  
  
**Reactivity and Under What Conditions?** Reacts with most common metals. May react violently with many inorganic amine oxides and polymerizable monomers.  
  
**Hazardous Decomposition Products** Hydrogen when in contact with metals; Hydrogen Chloride gas upon heating.

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## SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route Of Entry  Skin Contact  Skin Absorptior  Eye Contact  Inhalation Acute  Inhalation Chronic  Ingestion

Effects Of Acute Coughing, choking inflammation and ulceration of respiratory tract may occur. Corrosion of  
Exposure To Product mucous membrane , Esophagus, stomach, nausea, vomiting, intense thirst, diarrhea.

Effects Of Chronic Severe irritation to mucous membranes and eyes, permanent visual damage, severe  
Exposure To Product burns, dermatitis, photosensitization, circulatory collapse and death may occur.

Irritancy Of Product n/av

Exposure Limits Of Product TLV 5PPM (ACGIH)

Sensitization To Product n/av

Synergistic Materials n/av

Carcinogenicity  Reproductive Effects  Teratogenicity  Mutagenicity

No known systemic effects.

## SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment (Information is intended for 909ml/1L package size users)

Gloves Gloves recommended Respiratory Not Normally Required Eye Not required for normal use

Footwear N/AP

Clothing N/AP

Other

Engineering Controls Local exhaust ventilation Required.

Leak And Spill Procedure Neutralize with soda ash, caustic soda or lime. Wash down with excess water. Do not use ammonia due to potential fuming problems.

Waste Disposal In accordance with local, provincial, and federal by-laws.

Handling Procedures And Equipment Keep containers closed, use adequate ventilation, keep out of sun and away from direct sources of heat .

Storage Requirements Store containers away from oxidizing materials particularly Nitric acid and Chlorates.

Special Shipping Information Class 8 packing group II

## SECTION VIII - FIRST AID MEASURES

Skin Remove contaminated clothing immediately and flush with clean water for at least 15 minutes.

Eye Hold eyelids open and wash thoroughly with clear water for at least 15 minutes, Get medical help promptly.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Give oxygen by qualified personnel if breathing is difficult. Get medical help promptly.

Ingestion Get medical help immediately. Patient should drink large amounts of water or milk. Do not induce vomiting.

General Advise

## SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information/Comments The information herein is given in good faith but no warranty, expressed or implied, is made.

Sources Used

Prepared By: Crown Chemical Products Inc. Phone Number (905) 564-0904 Date July 7, 2006