



SAFETY DATA SHEET

Bowl Master

SECTION 01: IDENTIFICATION

Product identifier **BOWL MASTER**
Other means of identification 1530
Recommended use Toilet Bowl Cleaner
Recommended restrictions Reserved for industrial and professional use.
Manufacturer
Company name Crown Chemical Products Inc. **Supplier's Name**
Address 6125 Netherhart Road, Mississauga, Ont. **Supplier's Address**
L5T 1G5
Emergency Tel: (905) 564-0904

SECTION 02: HAZARD(S) IDENTIFICATION

Hazard Classification	Corrosive to metals	Category 1
	Acute Toxicity (Oral)	Category 4
	Skin Corrosion/Irritation	Category 1
	Serious Eye Damage/Eye Irritation	Category 1
	Specific target organ toxicity - single exposure	Category 3 (respiratory system)

Label elements



Signal Word

Danger

Hazard Statement

May be corrosive to metals.
Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause respiratory irritation.

Precautionary Statement

P262: Do not get in eyes, on skin, or on clothing.
P260 Do not breathe fumes, mist or vapours.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P303+361+353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage.
P403+233: Store in a well ventilated place. Keep container tightly closed.



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SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Hydrochloric Acid	7647-01-0	15 - 40

SECTION 04: FIRST-AID MEASURES

Inhalation	Remove to fresh air. Get medical attention if symptoms occur.
Skin contact	Wash off immediately with plenty of water. Wash clothing before reuse.
Eye	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Most important symptoms/effects, acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not flammable or combustible.
Special protective equipment and precautions for firefighters	Wear full protective equipment including a self-contained breathing apparatus. No unusual fire or explosion hazards are anticipated.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.



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Methods and materials for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Absorb spillage to prevent material damage. Collect as much of the spilled material as possible. Place in a metal container approved for use in transportation by appropriate authorities. Clean up residue with water.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapour. Use only with adequate ventilation.

Conditions for safe storage Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Occupational exposure limits</u>	<u>Ingredient</u>	<u>Agency</u>	<u>Limit type</u>
	Hydrochloric Acid	ACGIH	CEIL:2 ppm
		OSHA	CEIL:7 mg/m ³ (5 ppm)

ACGIH : American Conference of Governmental Industrial Hygienists
OSHA : United States Department of Labor - Occupational Safety and Health Administration
CEIL: Ceiling

Appropriate Engineering Controls Effective exhaust ventilation system.

Personal Protective Equipment Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Gloves vinyl or latex

Respiratory Not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye Wear eye protection/face protection.

Clothing If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended:
Apron – Butyl rubber or Neoprene



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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Odour Pungent odour.

Physical State Liquid

Color White opaque

Odour Threshold No data available.

pH 0.1 to 1

Freezing Point (°C) No data available.

Initial Boiling Point (°C) $\geq 212^{\circ}\text{F}$

Flashpoint (°C) n/ap

Evaporation Rate No data available.

Flammability No data available

Lower Explosive Limit No data available.

Upper Explosive Limit No data available.

Lower Flammability Limit No data available.

Upper Flammability Limit No data available.

Vapour Pressure (mm) No data available.

Vapour Density (Air = 1) No data available.

Relative Density > 1

Solubility Soluble

Partition coefficient (n-octanol/water) No data available.

SECTION 10: STABILITY AND REACTIVITY

Auto Ignition Temp. (°C) n/ap

Decomposition Temperature No data available.



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Viscosity No data available.

Reactivity Contact with water will generate heat. May be corrosive to metals.

Chemical Stability Stable under normal condition.

Possibility of hazardous reactions Do not mix with bleach or other chlorinated products - will cause chlorine gas.

Conditions to avoid Avoid high temperatures. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.

Incompatible Materials Metals. Bases. Strong oxidizing agents.

Hazardous Decomposition Products Decomposition products may include the following materials:
Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, or Oxides of phosphorus.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Skin Contact Eye Contact Ingestion
 Skin Absorption Inhalation

Toxicological Information

Effects Of Exposure To Product

Health Hazard Data:

Eye – Immediate pain, severe burns and serious eye damage.

Skin – Concentrate solution may cause pain and severe burns to the skin.

Ingestion – Harmful if swallowed. Causes digestive tract burns.

Inhalation – May cause respiratory tract irritation. May cause nose, throat, and lung irritation.

Chronic Exposure : Health injuries are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye contact : Redness, Pain, Corrosion

Skin contact : Redness, Pain, Corrosion

Ingestion : Corrosion, Abdominal pain

Inhalation : Respiratory irritation, Cough

Toxicity

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitization : no data available



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Carcinogenicity : no data available
Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available

STOT - single exposure : no data available
STOT - repeated exposure : no data available
Aspiration toxicity : no data available

Numerical Measures Of Toxicity

Hazardous Ingredients	LD₅₀ /LC₅₀ Specify Species and Route
Overall product	Dermal - No data available; estimated >5,000 mg/kg
Hydrochloric Acid	Dermal, Rabbit - LD50 > 5,010 mg/kg Inhalation - Dust, Mist (4 hours (Rats) LC50 1 mg/l Ingestion - Rat - LD50 238 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	In accordance with municipal, provincial and federal regulations.
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SECTION 14: TRANSPORT INFORMATION

UN number	1789
TDG Classification	Hydrochloric Acid Class 8
Packing group	II
Special Shipping Instructions	Refer to Transportation of Dangerous Goods Regulations.



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SECTION 15: REGULATORY INFORMATION

Regulatory Information

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

N/AP = Not Applicable

N/AV = Not Available

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

GHS: Globally Harmonized System

HPR : Hazardous Products Regulations

IARC: International Agency for Research on Cancer

NIOSH: The National Institute for Occupational Safety and Health

NTP : National Toxicology Program

OSHA : United States Department of Labor - Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted-Average

Prepared By: Crown Chemical Products Inc.

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