

Section I. Product Identification and Uses

		HMIS (HFRP)	
		Health Hazard	3
		Fire Hazard	0
		Reactivity	1
		Personal Protection	s
Common / Trade name	HCL 23 PROFESSIONAL BOWL CLNR	TDG	Class 8
WHMIS	D1A, E	PIN	UN1789 HYDROCHLORIC ACID
Code	1695	PG	II
Material uses	Descaler.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Hydrochloric acid	7647-01-0	10-30	TWA: 5 (ppm)	ORAL (LD50): Acute: 900 mg/kg [Rabbit].

Section III. First Aid Measures

Eye contact IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.

Skin contact After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water during 15 minutes. Get medical attention if irritation develops.

Inhalation Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid. (Opaque.)	Colour	White.
pH (1% soln/water)	< 1 (Conc. (% w/w): 100) [Acidic.]	Odour	Pungent.
pH (concentrate)	1.0-2.0	Volatility	VOC Content : None (N/A)
Boiling point	The lowest known value is 100°C (212°F) (Water).	Vapour density	1.3 (Air = 1)
Specific gravity	1.1 -1.2	Vapour pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water).
Solubility	Easily soluble in water.		

Section V. Fire and Explosion Data

The product is	Non-flammable.
Auto-ignition temperature	Not available.
Flash points	Not available.
Degradation products	Hydrogen chloride gas.
Extinguishing media	Non-flammable substance. Use DRY chemicals, CO ² , or foam.

Section VI. Reactivity data

Stability	Unstable (Hydrochloric acid loses hydrogen chloride gas upon heating).
Decomp. products	Hydrogen chloride gas.
Reactivity	Incompatible with oxidizing materials, reducing materials, organic materials, metals, alkalis, moisture.

Section VII. Toxicological properties

Route of entry Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity for animals Not available

Acute effects Corrosive to eyes and skin. Dangerous in case of ingestion, of inhalation: liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Severe over exposure by ingestion or inhalation may be harmful.

Chronic effects CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure may cause chronic eye, respiratory tract and skin irritation.

Section VIII. Preventive measure

Waste Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.

disposal

Storage Keep away from heat, metals, alkalis and oxidizing materials. Keep container in a cool, well-ventilated area.

Precautions Avoid contact with eyes, skin and clothing. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing, gloves and eye/face protection.

Spill and leak Absorb with an inert DRY material and place in an appropriate waste disposal container. Dispose of in accordance with federal, provincial, or local regulations.

Section IX. Personal protective equipment

Gloves Gloves (impervious)

Respiratory In case of insufficient ventilation, wear suitable respiratory equipment.

Eyes Splash goggles.

Other Synthetic apron. Full suit, apron, face shield, respiratory mask, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.

Eng. controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Preparation and other Information

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To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex A. Legend

HMIS Hazardous Materials Identification System

WHMIS WHMIS Workplace Hazardous Materials Information System

TDG Transport Dangerous Goods

PIN Product Identification Number

PG Packaging Group
