

**Parkside Professional Products Ltd.**

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Patriot #5-OLB**MATERIAL SAFETY DATA SHEET**

**Use: Bowl, Bathroom & Grout
Cleaner**

This product is EcoLogo Registered.

Code: PA5OLB

Date of MSDS: September 1, 2015

WHMIS: D2B – not corrosive to aluminum;
mildly corrosive to steel

TDG: Not Regulated

HMIS: Health -2, Flammability - 0, Reactivity - 1, PPE – B

Emergency Telephone #CANUTEC 613-996-6666

I - HAZARDOUS INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Organic Hydrochloride Salt	7-13	506-89-8	not available	not available

II - PHYSICAL DATA

Physical State: liquid	Viscosity: slightly viscous	Vapour Pressure: not available
Oil/Water Factor: not available	pH: 2.0 ± 0.5	Appearance: clear
Vapour Density: not available	Evaporation Rate: similar	Freezing Point (°C): not available
Specific Gravity: 1.0±0.02	Boiling Point (°C): not available	Odour Threshold: not available

III - FIRE AND EXPLOSION DATA

Conditions of Flammability: not flammable	UFL: not applicable
Flash Point and Test Method: does not ignite	LFL: not applicable
Sensitivity to Static Discharge or Mechanical Impact: not available	Auto-Ignition Temperature: not applicable
Means of Extinction: treat for surrounding material & fire	Hazardous Combustion Products: not available
Unusual Fire & Explosion Hazard: at temperatures above 60°C/140°F, acid action on most metals may release hydrogen, a highly flammable and explosive gas. Avoid breathing decomposition products.	

IV - REACTIVITY DATA

Conditions of Chemical Instability: stable up to 110°C/230°F	Conditions of Reactivity: not applicable
Incompatible Substances: oxidizing agents, strong alkaline material, aluminum, chlorinated products	
Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon & nitrogen. Hydrogen gas may be released upon contact with certain metals.	
Storage Requirements: Store in closed containers away from incompatible materials.	

V - TOXICOLOGICAL PROPERTIES

Synergistic Materials: not available	Route(s) of Entry: skin, eyes, ingestion, inhalation
Irritancy of Product: acute exposure is irritating	Sensitization: none known
Acute Effects	Chronic Effects
Eye: May cause moderate to high irritation.	Reproductive Toxin: not available
Ingestion: May cause nausea, vomiting & medical problems.	Teratogen: not available
Inhalation: If inhaled as a mist vapour, it can cause nose, throat & respiratory tract irritation, coughing & headache.	Carcinogen: Non-Hazardous by WHMIS Criteria. Not listed on NTP, IARC, ACGIH.
Skin: Non-corrosive to skin as defined & tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS Regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemical, Number 404 "Acute Dermal Irritation/Corrosion".	Mutagen: The active was found <u>not</u> to be Mutagenic when tested by the Ames Assay (OECD Guideline for Testing of Chemicals Sec. 471).
Prolonged or Repeated Exposure: Skin - can cause drying, defatting & dermatitis	

VI - FIRST AID MEASURES

Eye Contact:	Immediately flush with water for 15 minutes. If irritation persists, seek medical attention.
Skin Contact:	Flush with water. Contact a physician if irritation develops.
Inhalation:	Remove to fresh air. If symptoms persist, contact a physician.
Ingestion:	Do not induce vomiting. Rinse mouth with water, then drink one to four glasses of water. Contact a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

VII - PROTECTIVE EQUIPMENT

Personal Protective Equipment:	Eyes: safety glasses	Skin: impermeable gloves
	Respiratory: not normally required if good ventilation is maintained & exposure guidelines are not exceeded	
Ventilation: general ventilation normally adequate		
Special Measures: Firefighters should wear self-contained breathing apparatus.		

VIII - SPECIAL MEASURES

For Leaks or Spills: Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review all Federal, Provincial and local regulations prior to disposal.

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