Patriot #5D

MATERIAL SAFETY DATA SHEET

Use: Tile & Grout Cleaner Concentrate

This product is EcoLogo Registered.

Code: PA05JU2

Date of MSDS: December 1, 2014
WHMIS: D2B
TDG: Not Regulated
HMIS: Health -1, Flammability - 0, Reactivity - 0, PPE – B

Emergency Telephone #CANUTEC 613-996-6666

I - HAZARDOUS INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Organic Salt	1-5	506-89-8	not available	not available
Alcohol Ethoxylate	7-13	68131-39-5	2000 oral rat	not available

II - PHYSICAL DATA

Physical State: liquid
Oil/Water Factor: not available
Vapour Density: not available
Specific Gravity: 1.013
Freezing Point (^{o}C): not available

Viscosity: not applicable
pH (as is) @ 25°C: 1.5 maximum
Evaporation Rate: similar
Boiling Point (^{o}C): not available

Vapour Pressure: not available
Appearance @ 25°C: clear amber
Odour @ 25°C: mild perfume
Odour Threshold: not available

III - FIRE AND EXPLOSION DATA

Conditions of Flammability: not flammable
Flash Point and Test Method: not applicable
Sensitivity to Static Discharge or Mechanical Impact: not available
Means of Extinction: treat for surrounding material & fire

UFL: not applicable
LFL: not applicable
Auto-Ignition Temperature: not applicable
Hazardous Combustion Products: not available

IV - REACTIVITY DATA

Conditions of Chemical Instability: stable
Conditions of Reactivity: not applicable
Incompatible Substances: strong oxidizing agents, chlorinated bleach, alkali
Hazardous Decomposition Products: oxides of carbon, hydrocarbon fumes
Storage Requirements: Store in closed containers away from incompatible materials. Store in cool, dry, well-ventilated area.

V - TOXICOLOGICAL PROPERTIES

Synergistic Materials: not available
Irritancy of Product: mild irritant
Route(s) of Entry: skin, eyes, ingestion, inhalation
Sensitization: none known

Acute Effects
Eye: may cause irritation
Skin: may cause irritation
Inhalation: can cause nose, throat & respiratory tract irritation, coughing & headache
Ingestion: may cause severe irritation to mouth, throat & stomach

Chronic Effects
Carcinogen: none known
Teratogen: none known
Mutagen: none known
Reproductive Toxin: none known

Prolonged or Repeated Exposure: Skin - can cause drying, defatting and dermatitis

VI - FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. If irritation persists, contact a physician.
Skin Contact: Immediately flush with water for 15 minutes. Contact a physician if irritation develops. Completely decontaminate clothing, shoes and leather before reuse, or discard.
Inhalation: Remove to fresh air. If symptoms persist, contact a physician.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass 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 for handling concentrate
Skin: impermeable gloves for handling concentrate
Respiratory: not normally required if good ventilation is maintained
Ventilation: general ventilation normally adequate

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.