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Patriot #16

MATERIAL SAFETY DATA SHEET

Use: **Disinfectant Cleaner Conc.**
Code: PA16B

Date of MSDS: July 1, 2011
WHMIS: D2B
TDG: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (contains quaternary ammonium compound) Class 8 UN1903 PGIII
HMIS: Health -2, Flammability - 0, Reactivity – 0, PPE - B
Emergency Telephone # CANUTEC 613-996-6666

I - HAZARDOUS INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Cationic Surfactant Blend	10-30	6842495-3 5538-94-3 7173-51-5 68424-85-1	not available	not available

II - PHYSICAL DATA

Physical State: liquid **Viscosity:** water thin **Vapour Pressure:** < 0.1 **Oil/Water Factor:** not available
Appearance: clear green **pH:** 6.5-7.5 **Vapour Density:** not available **Evaporation Rate:** similar
Odour: mild **Specific Gravity:** 0.99-1.01 **Boiling Point (°C):** 100 **Odour Threshold:** not available
Freezing Point (°C): not available

III - FIRE AND EXPLOSION DATA

Upper Flammable Limit: Not Applicable **Lower Flammable Limit:** Not Applicable
Flash Point & Test Method: None **Auto-Ignition Temperature:** Not Applicable
Conditions of Flammability: Not Combustible **Means of Extinction:** Treat for surrounding materials.
Sensitivity to Mechanical Impact: Not Available **Sensitivity to Static Discharge:** Not Applicable
Hazardous Combustion Products: Oxides of carbon & nitrogen; ammonia; hydrogen chloride

IV - REACTIVITY DATA

Incompatible Substances: Strong oxidizing agents, anionic blends. **Conditions of Reactivity:** Not Applicable
Storage Requirements: Store in closed containers, away from incompatibles. **Conditions of Chemical Instability:** Stable
Hazardous Decomposition Products: Not Available

V - TOXICOLOGICAL PROPERTIES

Synergistic Materials: None Known **Routes of Entry:** Eyes, Skin Contact, Inhalation, Ingestion.
Irritancy of Product: Irritant **Sensitization:** None Known
Effects of Acute Exposure:
Eye Contact - May cause moderate irritation.
Skin Contact - May cause moderate irritation.
Inhalation – May cause nose, throat and respiratory tract irritation, coughing and headache.
Ingestion - May cause nausea, vomiting and medical problems.
Effects of Chronic Exposure: None Known
Carcenogenicity : None Known **Mutangenicity:** None Known
Teratogenicity : None Known **Reproductive Effects:** None Known

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 goods, 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 or two 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 recommended, especially when handling concentrate.
Gloves: Impermeable (rubber or neoprene) gloves when handling concentrate.
Respiration: Not normally required if good ventilation is maintained. Wear mist respirator if spray mist causes irritation.
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.

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