

**I – CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

# Patriot #34

**Use: Floor Cleaner & Grease Remover**
**Code: PA34**
**Date of MSDS:** December 1, 2017

**WHMIS:** D2B

<b>HMIS:</b>	Health	2
	Flammability	0
	Reactivity	0
	PPE	A

**Emergency Telephone # CANUTEC 613-996-6666**
**2 – HAZARD IDENTIFICATION**

**Irritancy of Product:** mild  
**Physical State:** liquid  
**EMERGENCY:** **CAUTION.** Causes eye irritation. May be mildly irritating to skin.

**Principle Routes of Exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Acute Effects**

**Eye Contact:** Moderately irritating to the eyes.  
**Skin Contact:** May be mildly irritating to skin.  
**Inhalation:** None Known  
**Ingestion:** May cause irritation to mouth, throat and stomach.

See Toxicological information (section 11 and 3)

**3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Alcohol Ethoxylates	10-20	68131-39-5	1400 Oral Rat	not available

**4 - FIRST AID MEASURES**

**Eye Contact:** Flush immediately with plenty of water. If irritation persists, get medical attention.  
**Skin Contact:** Flush immediately with plenty of water. If irritation develops, get medical attention.  
**Inhalation:** No specific first aid measures are required.  
**Ingestion:** If swallowed, give a cupful of water if or milk.  
**Aggravated Medical Conditions:** None Known

**5 - FIRE FIGHTING MEASURES**
**Suitable Extinguishing Media:** Use agent suitable for surrounding fire.

**Specific Hazards:** Not Applicable

**Specific Methods:** No special methods required.

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Conditions of Flammability:** not flammable  
**UFL:** not available  
**LFL:** not available  
**Flash Point and Test Method:** > 200° F > 93° C  
**Sensitivity to Static Discharge or Mechanical Impact:** not applicable  
**Auto-Ignition Temperature:** not available  
**Hazardous Combustion Products:** none known  
**Means of Extinction:** treat for surrounding material & fire

**6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use suitable protective equipment (Section 8). Keep  
**Environmental Precautions:** Keep container in a cool, well-ventilated area. Keep container tightly closed. Do not allow to enter drains or watercourses.  
**Methods for Cleaning Up:** Absorb spill with inert material (e.g. dry sand or earth), then sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

**7 – HANDLING & STORAGE**

**Handling:** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.  
**Storage Requirements:** Keep out of reach of children. Protect from freezing. Keep container tightly closed in a cool and well-ventilated area.

## 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures to Reduce Exposure:** No special ventilation requirements. General room ventilation is adequate.

**Personal Protective Equipment**

**Eye Protection:** No special requirements under normal use conditions.

**Hand Protection:** No special requirements under normal use conditions.

**Skin & Body Protection:** No special requirements under normal use conditions.

**Respiratory Protection:** No special requirements under normal use conditions.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

**Ventilation:** General ventilation normally adequate.

## 9 - PHYSICAL & CHEMICAL PROPERTIES

**Physical State:** liquid

**Oil/Water Factor:** not available

**Vapour Density:** not available

**Specific Gravity:** 1.01

**Boiling Point (°C):** not determined

**Viscosity:** not available

**Appearance:** opaque white liquid

**Evaporation Rate:** not available

**Odour Threshold:** not available

**Flash Point (°C):** > 93.4

**Vapour Pressure:** not available

**pH:** 8.8

**Odour:** surfactant

**Freezing Point (°C):** not available

**Solubility:** dispersible

## 10 – STABILITY & REACTIVITY

**Stability:** stable

**Polymerization:** hazardous polymerization does not occur

**Hazardous Decomposition Products:** non reasonably foreseeable

**Conditions of Reactivity:** none known

**Incompatible Substances:** Do not mix with anything except water.

**Storage Requirements:** store in closed containers away from incompatible materials

## 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Oral LD50 estimated to be > 5000 mg/kg; Dermal LD50 estimated to be > 2000 mg/kg

**Component Information:** See Section 3

**Carcinogenic Effects:** none known

**Reproductive Toxicity:** none known

**Synergistic Materials:** none known

**Prolonged or Repeated Exposure –** none known

**Chronic Toxicity:** none known

**Mutagenic Effects:** none known

**Target Organ Effects:** none known

**Sensitization:** none known

## 12 – ECOLOGICAL INFORMATION

**Biodegradability:** considered biodegradable

**BOD/COD values:** not available

**Ecotoxicity:** not available

## 13 – DISPOSAL CONSIDERATION

**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 & local regulations prior to disposal. Consult your local or regional authorities.

## 14 – TRANSPORT INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations.

**UN CLASSIFICATION:** Not Regulated

See shipping documents for specific transportation information.

## 15 – REGULATORY INFORMATION

**WHMIS:** D2B – Toxic Materials

**Canada Inventory:** All components are listed or exempted.

## 16 – OTHER INFORMATION

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