

1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Patriot #18

Use: Heavy Duty Degreaser Concentrate

This product is EcoLogo Registered.

Code: PA18J

Date of MSDS: December 1, 2017

WHMIS: D2B

 HMIS: Health 2
 Flammability 0
 Reactivity 0
 PPE B

TDG CLASSIFICATION: Not regulated

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

 Irritancy of Product: mild
 Physical State: liquid
 EMERGENCY: CAUTION! CAN CAUSE EYE AND SKIN IRRITATION.
 Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Route(s) of Entry: eye, skin, inhalation, ingestion

Acute Effects

 Eye: Can cause irritation
 Skin: Can cause irritation
 Inhalation: Can cause nose, throat, respiratory tract irritation & coughing
 Ingestion: Can cause vomiting, headache & medical problems

See Toxicological information (Section 11 and 3)

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Alcohol Ethoxylate	7-13	68991-48-0	>2000 oral rat	not available
Tetrasodium Iminodisuccinate	1-5	144538-83-0	>2000 oral rat	not available
Potassium Silicate	1-5	1312-76-1	>2000 oral rat	not available
Sodium Gluconate	1-5	527-07-1	>2000 oral rat	not available

4 - FIRST AID MEASURES

 Eye Contact: Flush with water for 15 minutes. Contact a physician.
 Skin Contact: Good hygiene practices apply. Wash with soap and water after use.
 Inhalation: Remove to fresh air. If symptoms persist, contact a physician.
 Ingestion: Do not induce vomiting. Rinse mouth with water, 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.

5 - FIRE FIGHTING MEASURES

 Conditions of Flammability: not flammable
 UFL: not applicable
 LFL: not applicable
 Flash Point and Test Method: not applicable
 Sensitivity to Static Discharge or Mechanical Impact: not applicable
 Auto-Ignition Temperature: not applicable
 Hazardous Combustion Products: oxides of carbon
 Means of Extinction: treat for surrounding material & fire

6 – ACCIDENTAL RELEASE MEASURES

 Personal Precautions: Use suitable protective equipment (Section 8). Keep out of reach of children.
 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: For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 – HANDLING & STORAGE

 Storage Requirements: Keep out reach of children. Keep container in a cool, well-ventilated area.
 Keep container tightly closed.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal Protective Equipment:

- Eyes:** Eye protection is recommended.
- Hands:** For prolonged or repeated handling, use impervious gloves.
- Skin:** For prolonged or repeated handling, use impervious gloves.
- Respiratory:** A respirator is not needed under normal and intended conditions of product use.

Ventilation: general ventilation normally adequate

9 - PHYSICAL & CHEMICAL PROPERTIES

Physical State: liquid	Viscosity: water thin	Vapour Pressure: not available
Oil/Water Factor: not available	Appearance: clear red	pH: 11.5 maximum
Vapour Density: not available	Evaporation Rate: similar	Odour: mild
Specific Gravity: 0.99-1.01	Boiling Point (°C): >95	Odour Threshold: not available
Freezing Point (°C): < 0		

10 – STABILITY & REACTIVITY

Conditions of Chemical Instability:	stable
Conditions of Reactivity:	avoid extremely hot and cold temperatures
Hazardous Decomposition Products:	not available
Incompatible Substances:	strong acids & alkalis, chlorinated products, disinfectants
Storage Requirements:	store in closed containers away from incompatible materials

11 – TOXICOLOGICAL INFORMATION

Acute Effects

Eye:	Can cause irritation
Skin:	Can cause irritation
Inhalation:	Can cause nose, throat, respiratory tract irritation & coughing
Ingestion:	Can cause vomiting, headache & medical problems

Chronic Effects

Carcinogen:	none known
Teratogen:	none known
Mutagen:	none known
Reproductive Toxin:	none known
Synergistic Materials:	not available
Sensitization:	none known
Prolonged or Repeated Exposure - Skin: may cause drying, defatting or dermatitis	

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. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN CLASSIFICATION: Not regulated

See shipping documents for specific transportation information.

15 – REGULATORY INFORMATION

WHMIS:	Class D2B: Material causing other toxic effects (Toxic)
Canada Inventory:	All components are listed or exempted.

16 – OTHER INFORMATION

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