

I – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Patriot #27

Use: Floor Cleaner/Salt Neutralizer
Code: PA27
Date of MSDS: December 1, 2014

WHMIS: D2B

HMIS:	Health	1
	Flammability	0
	Reactivity	0
	PPE	B

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

Irritancy of Product: mild
Physical State: liquid
EMERGENCY: CAUTION

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

Acute Effects
Eye Contact: May cause mild to moderate irritation upon direct contact.

Skin Contact: May cause mild to moderate irritation to those with sensitive skin.

Inhalation: No hazards under normal conditions of use. Prolonged exposure may cause nose, throat and respiratory tract irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

See Toxicological information (section 11 and 3)

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt/Wt %	CAS #	LD50 (mg/kg)	LC50
Water	60-100	7732-18-5	90,000 oral rat	not available
Sodium Citrate	10-30	68-04-2	>8,000 oral rat	
Alcohol Ethoxylate	1-5	NJ TRSN: 07613759-02	>2,000 oral rat	not available

4 - FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes. Seek medical attention if irritation persists.
Skin Contact: Flush with water for 15 minutes. Seek medical attention if irritation develops.
Inhalation: Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention if symptoms persist. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.
Aggravated Medical Conditions: None Known

5 - FIRE FIGHTING MEASURES

Conditions of Flammability: not flammable
UFL: none
LFL: none
Flash Point and Test Method: none
Sensitivity to Static Discharge or Mechanical Impact: none
Auto-Ignition Temperature: none
Hazardous Combustion Products: oxides of carbon and nitrogen
Means of Extinction: Water mist (fog), dry chemical, carbon dioxide or foam.

6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use suitable protective equipment (Section 8).
Methods for Cleaning Up: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. For large quantities, dispose of in accordance with local, state/provincial and federal laws.

7 – HANDLING & STORAGE
Storage Requirements: Keep out of reach of children. Store in a closed container in a cool, dry and well-ventilated area, away from incompatible materials.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Personal Protective Equipment

Eye Protection: Use safety glasses when direct contact may occur.

Hand Protection: Rubber gloves may be advisable if repeated or prolonged contact may occur, or for those with sensitive skin.

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

Respiratory Protection: Not normally required if good ventilation is maintained.

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 established

Vapour Density: not available

Specific Gravity: 1.05

Boiling Point (°C): 100

Viscosity: water thin

Appearance: clear blue liquid

Evaporation Rate: similar

Odour Threshold: not established

Flash Point (°C): none

Vapour Pressure: not available

pH: 8.3

Odour: floral

Freezing Point (°C): not established

Solubility: soluble

10 – STABILITY & REACTIVITY

Stability: stable

Polymerization: hazardous polymerization does not occur

Hazardous Decomposition Products: oxides of carbon and nitrogen

Conditions of Reactivity: not established

Incompatible Substances: may react with acids

Storage Requirements: store in closed containers away from incompatible materials

11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: none known

Component Information: See Section 3

Carcinogenic Effects: non-hazardous by WHMIS standards

Reproductive Toxicity: none known

Synergistic Materials: none known

Chronic Toxicity: none known

Mutagenic Effects: none known

Target Organ Effects: none known

Sensitization: none known

Prolonged or Repeated Exposure – This product may cause irritation to the eyes or skin upon prolonged contact.

12 – ECOLOGICAL INFORMATION

Biodegradability: All organic ingredients of this formula have been tested by an independent laboratory and all are either biodegradable or readily biodegradable as measured by OECD Test Method 301D.

Aquatic Acute Toxicity: Not established for this product.

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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