

# MATERIAL SAFETY DATA SHEET

## SECTION I

## PRODUCT INFORMATION

Product Name: **Pine Clean**

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Supplied by: **SOLUTIONS PLUS OUTLET**  
17705 LESLIE STREET UNIT #14  
NEWMARKET ON L3Y 3E3

Phone: (905) 715-7830  
Fax: (905) 715-7769  
Contact: Mr. Graham Howell



Product usage: Neutral hard surface cleaner  
WHMIS Class: D-2B  
Poison Control: In Ontario: 1-800 268-9017

TDG Class: Not regulated.  
In Toronto: 416 813-5900

## SECTION II

## HAZARDOUS INGREDIENTS

INGREDIENT	CAS#	%	ACGIH-TLV	LC50	LD50
Pine oil	8002-09-3	< 15	Eye irritant		LD50 (oral rat) >3 g/kg
Surfactants		< 15	Eye irritant		

## SECTION III

## PHYSICAL DATA

Physical State:	Liquid	Evaporation Rate:	Same as water.
Odour and Appearance:	Pine oil, clear green	Boiling Point:	100 Deg. C.
Odour Threshold:	Not available	Freezing point:	0 Deg. C.
Specific Gravity:	1.01	pH as supplied:	8.0 - 9.5
Vapour Pressure:	Not available	pH use dilution:	7.0 - 9.0
Vapour Density:	Not available	Water/Oil Dist. Coeff.:	Not available

## SECTION IV

## FIRE OR EXPLOSION HAZARD

Flash point:	Over 120 Deg. C. after drying
Flammability:	Non-Flammable
Combustion products:	Oxides of carbon, sulphur, and incomplete combustion products
To Extinguish:	Not applicable
Other:	None

## SECTION V

## REACTIVITY DATA

Chemical Unstability:	Product is stable.	Conditions of Reactivity:	None
Incompatibility:	Strong concentrated acids, oxidizing and reducing agents. Do not mix with chlorine bleach.		
Hazardous Decomposition Products:	May produce oxides of carbon and nitrogen when burned		

## SECTION VI

## TOXICOLOGICAL PROPERTIES

Route of Entry:	Skin contact, eye contact, inhalation, and ingestion.		
Effects of Acute Exposure			
Skin:	May cause skin irritation, defatting, chapping, dermatitis.		
Ingestion:	May cause nausea or vomiting.	Eyes:	Irritation
Inhalation:	If misted, may cause irritation of mucous membranes, coughing and difficulty breathing.		
Effects of Chronic Exposure:	Prolonged or repeated exposure can cause skin irritation, defatting, chapping, dermatitis.		
Exposure Limits:	Not available	Irritancy of Product:	Not available
Sensitization:	Not available	Teratogenicity:	Not available
Carcinogenicity:	None	Mutagenicity:	Not available
Reproductive Toxicity:	Not available	Toxicologically Synergistic Products:	Not available

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## SECTION VII

### PREVENTIVE MEASURES

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- Breathing Protection:** Suitable breathing mask or respirator if mists or vapours are present.
- Skin Protection:** Rubber gloves, rubber boots, or barrier cream if contact is expected.
- Eye Protection:** Safety glasses with side shields when there is potential for eye contact
- Engineering Controls:** Normal building ventilation is adequate.
- Leak and Spill Procedure:** Refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
- Waste Disposal:** Review federal, provincial, and local government requirements prior to disposal.
- Storage Requirements:** Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials.
- Shipping Information:** Do not freeze.

## SECTION VIII

### FIRST AID MEASURES

- Skin:** Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops.
- Eyes:** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.
- Ingestion:** Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.
- Inhalation:** Move victim to fresh air. Seek medical attention immediately.

## SECTION XI

### PREPARATION INFORMATION

**Date:** 31-Jan-14  
**Telephone:** (905) 715-7830

**MSDS Prepared by:** Technical Dept.

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