

H M I S R A T I N G	
Health	<u>2</u>
Flammability	<u>1</u>
Reactivity	<u>0</u>
Personal Protection	<u>B</u>

1. PRODUCT: **Pine Cleaner**

2. HAZARDOUS (OR OTHER) INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	% RANGE
Pine Oil	8002-09-3	N/A	N/A	5-15%
Ethanol	64-17-5	N/A	N/A	5-15%

When used according to instructions, the product applicable to this MSDS is safe and presents no immediate or long term health hazard. However, abnormal entry routes, such as gross ingestion, may require immediate medical attention.

3. HEALTH HAZARD DATA: *THIS PRODUCT IS NOT HAZARDOUS OR TOXIC UNDER NORMAL USE CONDITIONS.*

ROUTES OF ENTRY: Inhalation Skin Eye Ingestion
 CARCINOGENICITY: Not Listed NTP IARC OSHA ACGIH
 OVEREXPOSURE: Medical Conditions Aggravated: **None known** Potential Effects: **May cause eye irritation**

4. EMERGENCY AND FIRST AID PROCEDURES: **EYE CONTACT:** *Flush immediately and thoroughly with water for 15 minutes. If condition worsens or irritation persists, contact a physician. INGESTION: DO NOT INDUCE VOMITING. If vomiting occurs, lower the person's head below their knees to avoid aspiration. Contact physician or poison control centre.*

5. FIRE FIGHTING OR EXPLOSION DATA:	Flash Point, °F/°C: 105 F (PMCC Method)	Flammability LEL, % NA Limits: UEL, % NA
-------------------------------------	---	---

EXTINGUISHING MEDIA: Water Fog Alcohol Foam CO₂ Dry Chemical Other
 Unusual Fire and Explosion Hazards: **None known** NFPA 704 Rating: 2 1 0 **B**
 Special Fire Fighting Procedures: **None known**

6. ACCIDENTAL RELEASE MEASURES:

IF MATERIAL IS RELEASED OR SPILLED: **Pick up large spills or absorb on inert material. Collect in sealed approved container for disposal. Flush area with water to clean up small amounts and reduce possible slippery floor hazard.**

7. PRECAUTIONS FOR SAFE HANDLING AND USE: **STORE AWAY FROM THE REACH OF SMALL CHILDREN.**

PERSONAL PRECAUTIONS: **Avoid contact with the eyes. Do not take internally.**
 STORAGE AND OTHER PRECAUTIONS: **Store at ambient indoor conditions. Keep containers sealed.**

8. CONTROL AND PROTECTION MEASURES: *COMPLY IF APPLICABLE EXPOSURE LIMITS SHOWN IN SECTION 2 ABOVE.*

TLV (ACGIH): **NA** PEL (OSHA): **NA** TWA: **None** STEL: **None** Skin Note: **NA**
 VENTILATION: Mechanical: **Not required if used as directed** Local: **Not Required** Special: **Not Required**
 PERSONAL PROTECTION: Respiratory: **Not required if used as directed** Eyes: **Not required if used as directed** Skin: **Not Required**
 Protective Equipment or Clothing: **Safety glasses** Work/Hygienic Practice: **Routine personal hygiene**

Pine Cleaner**9. PHYSICAL AND CHEMICAL CHARACTERISTICS**

Boiling Point, °F/°C:	N/A	Melting Point, °F/°C:	ND
Vapor Pressure (mm Hg):	N/A	Specific Gravity (H ₂ O =1):	0.980
Vapor Density (Air =1):	ND	Evaporation Rate (H ₂ O =1):	ND
Volatility, %	0% VOC	pH (undiluted):	9.4-10.4
Solubility in Water:	approximately 100%	Viscosity, cps:	N/A
Color/Clarity/Form & Odor:	Thin amber liquid		

10. STABILITY AND REACTIVITY DATA

Stability: **Stable** Hazardous Polymerization: **None known** Conditions to Avoid: **Avoid strong oxidizing agents**

Incompatibility (Avoid): **N/A** Decomposition or By-Products: **Decomposition may produce CO₂**

11. TOXICOLOGICAL INFORMATION: *NO ACUTE TOXIC EFFECTS EXPECTED BY INHALATION, INGESTION, OR CONTACT ALSO SEE SECTION 3* *NO LONG TERM CHRONIC EFFECTS.*

Irritant: **Eye Irritant** Sensitization: **None known** Synergism: **None known**

Skin LD50: **N/A** Oral LD50: **N/A** Inhalation LC50: **N/A**

12. ECOLOGICAL INFORMATION: *NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS. NOT CONSIDERED ENVIRONMENTALLY HARMFUL FROM NORMAL DILUTION, EXPECTED USAGE AND TYPICAL DRAINAGE TO SEWERS, SEPTIC SYSTEMS, AND TREATMENT PLANTS.*

POTENTIAL: Biodegradation: **ND** Oxygen Depletion: **ND** Bioconcentration: **ND**

AFFECTS: Aquatic Organisms: **ND** Waste Plant Microbes: **ND** BOD: **NE** COD: **NE**

13. DISPOSAL GUIDELINES: *DISPOSE ACCORDING TO LOCAL, STATE/PROVINCE, FEDERAL & INTERNATIONAL REGULATIONS. NOT A CHARACTERISTIC HAZARDOUS OR LISTED WASTE BY USEPA & RCRA (40CFR PART 261).*

14. TRANSPORT REGULATIONS: *HAZARDOUS BY DOT, HM-181, TDG, IATA, & IMO REGULATIONS.*

Shipping Class: **III** Label: **Flammable** UN/NA/PIN: **NA**

15. REGULATORY CONSIDERATIONS: *NOT REGULATED BY DOT, OSHA, WHMIS, TSCA, SARA, OR STATES.*

TSCA, DSL, EINECS: **Components of the product are listed, exempted or excluded from these requirements.**

SARA TITLE III: Sec. 302 EHS, TPQ: **NA** Sec. 304 EHS, RQ: **NA** Sec. 311/312: **N/A** Sec. 313: **None**

USA STATE REGULATIONS: Reportable substances present at notification quantities: **NA and None known**

INTERNATIONAL HAZARD CLASS: Canada (WHMIS or TDG): **Not a Controlled Product** EEC: **Not Regulated**

16. OTHER RELEVANT INFORMATION: *NO DATA AVAILABLE UNLESS SPECIFICALLY INDICATED BELOW.*

DATE: August 9, 2010

NOTICE: THE INFORMATION HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE AS OF THE DATE OF PREPARATION OF THIS MATERIAL SAFETY DATA SHEET. HOWEVER, NO WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE FOREGOING DATA AND SAFETY INFORMATION. THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE OR INJURY RESULTING FROM ABNORMAL USE FROM ANY FAILURE TO ADHERE TO RECOMMENDED PRACTICES OR FROM ANY HAZARDS INHERENT IN THE NATURE OF THE PRODUCT.

NA=NOT APPLICABLE, ND=NO DATA, NE=NOT ESTABLISHED. FORM COMPLIES WITH OSHA FORM 174, EEC, & DRAFT ANSI FORMATS.