

MATERIAL SAFETY DATA SHEET**SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0307 - HD Pine Cleaner**Product use:** Cleaner**WHMIS Classification:** B3, D2B**Product Code Number:** 70016, 70017**MSDS Number:** 0307**Supplier name and address:**

Can-Vet Animal Health Supplies

4-61 Malcolm Road

Guelph, Ontario N1K 1A7

(519) 822-5333

Manufacturer's name and address:

Refer to Supplier

Emergency Telephone #: CANUTEC (613) 996-6666**SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS**

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>LD₅₀ mg/kg oral/rat</u>	<u>LD₅₀ mg/kg skin/rabbit</u>	<u>LC₅₀ ppm inh/rat</u>
Ethyl Alcohol	64-17-5	3-7	7060	n/av	20000 ppm/10H
Pine Oil	8002-09-3	7-10	3200	5000	n/av
Alcohols C9-11 Ethoxylated	68439-46-3	10-30	1400	>5000	n/av
Benzyl ammonium chloride	68424-85-1	1-5	426	n/av	n/av

SECTION 3 — HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Routes of entry: Ingestion and eye contact.**Signs and symptoms of short-term (acute) exposure:***Inhalation:* May be harmful if inhaled, causing irritation of the respiratory passages, coughing and sneezing, possible central nervous system depression, with headache, giddiness and loss of coordination.*Skin contact:* No adverse effects.*Eye contact:* Contact results in irritation. Vapour can irritate eyes.*Ingestion:* May be harmful if swallowed, causing nausea, vomiting and diarrhea, possible central nervous system depression, with headache, giddiness and loss of coordination.**Effects of long-term (chronic) exposure:** Prolonged skin contact may cause dermatitis.**Other important hazards:** None reported.**SECTION 4 — FIRST AID MEASURES****Inhalation:** Remove victim to fresh air. If breathing difficulties persist, call a physician.**Skin contact:** Rinse with water. Wash with soap and water. Contact a physician if irritation develops.**Eye contact:** Flush eyes with running water for at least 15 minutes, keeping eyelids open. Get immediate medical attention.**Ingestion:** Do not induce vomiting. Call physician immediately. If vomiting occurs naturally, have victim lean forward to prevent aspiration of material into lungs.**NOTE TO PHYSICIAN !** Probable mucosal damage may contraindicate the use of gastric lavage. Take measures against circulatory shock.**SECTION 5 — FIRE FIGHTING MEASURES****Fire hazards/conditions of flammability:** Combustible Liquid.

Flash point (Method): approx. 65°C (Contains Ethanol)

Lower flammable limit (% by volume): Not available

Upper flammable limit (% by volume): Not available.

Explosion data: *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* May be sensitive if heated to high temperatures.

Oxidizing properties: None.

Auto-ignition temperature: Not available

Suitable extinguishing media: Water, dry chemicals and carbon dioxide can be used on fires in which this product is involved.

Special fire-fighting procedures/equipment: Fire-fighters should wear chemical-resistant clothing (for example, chemical splash suit) and positive pressure self-contained breathing apparatus, approved by NIOSH/MSHA.

Hazardous combustion products: Combustion may release toxic or corrosive gases, such as oxides of carbon, sodium, sulphur or nitrogen.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment as required by workplace standards.

Environmental precautions: Prevent spills from entering waterways.

Spill response/Cleanup: Recover and reuse as much of the product as possible.

Prohibited materials: None known.

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: Avoid contact with eyes.

Storage requirements: Store in a cool, dry area. Keep away from heat, incompatible materials, and sources of ignition.

Special packaging materials: Not prescribed.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: General ventilation should be sufficient.

Respiratory protection: Normally not required. If high concentrations of spray or mist generated, use a NIOSH/MSHA approved respirator equipped with organic vapour cartridges.

Protective gloves: Rubber, nitrile rubber, butyl rubber or Neoprene gloves recommended.

Eye protection: Safety glasses recommended when handling this product.

Other protective equipment: Eyewash station and safety shower.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odor: Clear green liquid, pine odour.

Odor threshold: Not available

pH: 7.50

Boiling point: Not available

Melting/freezing point: Not available

Vapour pressure: Not available

Solubility in water: Not available

Coefficient of oil/water distribution: Not available

Vapour density: Not available

Specific gravity or relative density (water = 1): 0.990

Evaporation rate: Not available

Volatile organic compounds (VOC's): Not available

Percent Volatile by Weight: Greater than 80 %

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Normally stable.

Conditions to avoid: Keep containers closed, when not in use. Avoid sources of ignition.

Materials to avoid: Strong oxidizers, acids and alkalis

Hazardous decomposition products: Oxides of carbon, sodium, sulphur and nitrogen.

SECTION 11 — TOXICOLOGICAL INFORMATION

LD₅₀: Not established for this product. See Section 2 for values for ingredients.

LC₅₀: Not established for this product. See Section 2 for values for ingredients.

Exposure limits: ACGIH-TLV - Not established.

Carcinogenicity: None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogenic.

Teratogenicity, mutagenicity, other reproductive effects: Ethanol may cause reproductive effects such as birth defects, developmental problems and may damage the reproductive system. Repeated high exposure may damage the liver, nervous system and blood cells.

Sensitization to material: Not reported.

Conditions aggravated by exposure: Skin conditions such as dermatitis.

Synergistic materials: None known.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: Not known.

SECTION 13 — WASTE DISPOSAL

Handling for disposal: Reuse if possible. Keep in closed, labelled containers, away from heat.

Methods of disposal: Follow local, provincial, state and federal regulations.

SECTION 14 — TRANSPORTATION INFORMATION

Shipping description: TDG – Not Regulated.

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

SECTION 15 — REGULATORY INFORMATION

WHMIS information: B3, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 — OTHER INFORMATION

Prepared by: Armstrong Manufacturing Inc.

Telephone number: (905) 566-1395

Preparation date: June 19, 2015

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2001.
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988.
3. Canadian Centre for Occupational Health and Safety. CHEMINFO database.
4. Material Safety Data Sheets from raw materials suppliers.
5. N. Irving Sax. Dangerous Properties of Industrial Materials, Seventh Edition.

n/ap Not applicable

n/av Not available

gm gram

/bf