

ABC CORPORATION

94-085 Leonui Street, Waipahu HI 96797; 808-671-2671

MATERIAL SAFETY DATA SHEET

For Emergency Call CHEMTREC 1-800-424-9300

Prepared 10/1/1996 – Rev 5/8/2000

SECTION 1: IDENTIFICATION

<u>PRODUCT NAME</u>	<u>APPLICATION</u>	<u>SHIPPING HAZARD NO.</u>
PINE OIL	Pine cleaner	Compounds, cleaning liquid, NA1993, 3, PGIII

Component Information

<u>Principal Hazard Components</u>	<u>CAS No.</u>	<u>WT (%)</u>	<u>PEL/TLV</u>
Pine Oil	8002-09-3	60-70%	NE/NE
Isopropyl alcohol	67-63-0	1-5%	400/400

SARA Title III Section 313 and 40 CFR Notification

Ingredients in this product are not subject to notification

SECTION 2: PHYSICAL DATA

Boiling Point (?F): >200	Appearance/Odor: Red/pine scent
Vapor Pressure (mm Hg): 1	pH: 10-11
Vapor Density (Air = 1): denser than air	Specific Gravity (Water = 1): 0.95
Percent Volatile: 60-75	Solubility in Water: partially soluble (forms emulsion)
Evaporation Rate (Butylacetate = 1): slower than butyl acetate	

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flash Point (?F): >130°F TCC

Lower Explosive Limit: NE
Upper Explosive Limit: NE

Extinguishing Media: Water spray, dry chemical foam, carbon dioxide or halon

Special Fire Fighting Procedures: Fire Fighters should use self-contained breathing apparatus and protective clothing. Cool containers with water if exposed to fire.

Unusual Fire and Explosion Hazards: none

NFPA Ratings

Health = 2	Special Hazard = none	0= None	1= Mild
Flammability = 2		2= Moderate	3= High
Reactivity = 1		4= Extreme	

SECTION 4: REACTIVITY DATA

Stability: Stable.

Incompatibility: Strong oxidizers

Hazardous Decomposition Products: Irritating gases, carbon dioxide, and carbon monoxide.

Polymerization: Will not occur

Conditions to avoid: None known.

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SECTION 5: HEALTH HAZARD DATA

Effects of overexposure:

Eyes: Can cause eye irritation with pain, redness, tearing and swelling of the conjunctives. May cause slow-healing corneal and iridic injury and possible blindness.

Skin: Prolonged contact can result in severe skin irritation and injury. Signs of overexposure include redness, swelling, pain, and cracking.

Inhalation: Vapor may cause irritation of the respiratory tract, i.e. nasal discomfort, chest pain, coughing, headache, nausea.

Ingestion: May cause severe gastrointestinal tract irritation. Aspiration will cause pulmonary edema and chemical pneumonitis.

SECTION 6: FIRST AID

Eyes: Immediately flush with plenty of water for 15 minutes. Remove contact lenses to ensure thorough flushing. Call a physician immediately.

Skin: Wash with plenty of water. Remove contaminated clothing. If irritation persists, call a physician.

Inhalation: Remove subject to fresh air. Call a physician if symptoms persist.

Ingestion: If swallowed, drink large quantities of water. Do NOT induce vomiting. Get medical attention immediately.

SECTION 7: SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved respirator recommended.

Protective Gloves: For prolonged contact wear rubber gloves.

Eye Protection: Where eye contact may be a problem, wear goggles.

SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Handling: Use good personal hygiene practice. Avoid contact with eyes, skin, or clothing. Wash contaminated clothing and equipment before reuse.

Storage: Store in a cool, dry, well-ventilated area. This product may react with strong oxidizers and should not be stored near such materials. Keep away from heat and open flame.

Release or Spill Procedures: Before attempting cleanup refer to Hazard Data above. Small spills: add adsorbent, sweep up, place in closed containers and discard. Large spills: dike to contain and pump into drums for reuse or disposal.

Waste Disposal: Disposal to conform to federal, state and local regulations.

The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves the product in combination with any other process is the responsibility of the user.