

HMIS Codes	
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MATERIAL SAFETY DATA SHEET

MANUFACTURER: K & K Chemical Co.
TELEPHONE NO.: (800) 327-0646
ADDRESS: 1303 Industrial Drive, Roysse City, TX 75189

PRODUCT: PINE OIL
PART NUMBER(S): K-514
 MSDS Prepared By: J. Austin Maglothin, Ph.D.
 Revision Date: April 15, 1998

SECTION I - GENERAL

Chemical Name & Synonym: Not applicable
 Trade Name & Synonyms: PINE OIL
 Chemical Family: Aqueous solution
 Formula: Trade secret

SECTION II - HAZARDOUS INGREDIENTS

2-Propanol	CAS No.	67-63-0
Poly(ethylene glycol)4-nonylphenyl ether	CAS No.	127087-87-0
Yarmor	CAS No.	8002-09-3

SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C): Not determined
 Vapor Pressure (MM Hg @ 20°C): Not applicable
 Vapor Density (Air = 1): Not determined
 Specific Gravity (H₂O = 1): 0.990
 % Volatile by Volume: 7%
 Evaporation Rate (H₂O = 1): Not determined
 Solubility in Water: Miscible
 Appearance and Odor: Light yellow, clear fluid with pine odor.
 Others: None

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%):
 - LEL: Not determined
 - UEL: Not determined
 Flash Point (Method Used): 40.3°C (TCC)
 Extinguishing Media: Use any appropriate for surrounding fire.
 Special Fire Fighting Procedures: None.
 Unusual Fire & Explosion Hazards: None.

SECTION V - HEALTH HAZARD DATA

Route of Entry: Skin absorption, eye contact, ingestion
 Carcinogenic Assessment: Not listed
 Threshold Limit Value: Not evaluated
 Effects of Overexposure: Eye irritant. Effects on skin are dryness and possible irritation.
 Emergency & First Aid Procedures:
 Eye contact: Flush with water for 15 minutes. If irritation persists, get medical attention.
 Skin contact: Wash with soap and water.
 Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get medical attention.

SECTION VI - REACTIVITY DATA

Stability: Stable
 Incompatibility (Materials to Avoid): Acids; any materials not compatible with water
 Hazardous Decomposition Products: None known
 Hazardous Polymerization: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spill. Soak up in inert absorbent material. Place in properly labeled leak-proof containers for disposal.
 Waste Disposal Method: Dispose of in accordance with all local, state and federal regulations. Rinse container well before discarding in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not normally needed.
 Ventilation: Normal ventilation is adequate.
 Protective Gloves: Latex
 Eye Protection: Safety glasses or goggles are recommended
 Other Protective Equipment: Not normally needed.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store in original containers for up to 1 year. Keep closed when not in use.
 Other Precautions: Keep out of reach of children. Read and follow label directions.