

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

## IDENTITY AND MANUFACTURER'S INFORMATION

**NFPA Rating:** Health-1; Flammability-0; Reactivity-0; Special -  
**Manufacturer's Name:** KESS INDUSTRIAL PRODUCTS, INC.  
**Address:** 8613 N.W. 66 STREET  
MIAMI, FL. 33166

**Date Prepared:** 05/03/09 **Prepared By:** J.F.  
**Information Calls:** (305) 592-1850

**HMIS Rating:** Health-1; Flammability-0; Reactivity-0; Personal Protection-B  
**DOT Hazard Classification:** Corrosive Material, 8  
**Identity** (trade name as used on label):  
**PINE - L**

NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

### COMPONENTS-CHEMICAL NAMES AND COMMON NAMES

(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)  
**TERPENE ALCOHOLS**

| CAS Number | SARA<br>III LIST | OSHA PEL<br>(ppm) | ACGIH<br>TLV (ppm) | Carcinogen<br>Ref. Source ** |
|------------|------------------|-------------------|--------------------|------------------------------|
| 8002-09-3  | No               | N/E               | N/E                | d                            |

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** 100°C

**Vapor Pressure:** PSIG @ 70°F (Aerosols): N/A

**Vapor Density** (Air = 1): N/D

**Solubility in Water:** Miscible

**Appearance and Odor:** Clear, light yellow, non-viscous liquid with pine fragrance.

**Specific Gravity** (H<sub>2</sub>O=1): .98

**Vapor Pressure** (Non-Aerosols)(mm Hg and Temperature): N/D

**Evaporation Rate** (water = 1): 1

**Water Reactive:** No

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY** as per USA FLAME PROJECTION TEST  
(aerosols) N/A

**Auto Ignition Temperature**  
N/A

**Flammability Limits in Air by % in Volume:**  
% LEL: N/A % UEL: N/A

**FLASH POINT AND METHOD USED** (non-aerosols): Non-combustible(water based).

**EXTINGUISHER MEDIA:** Non-combustible. Use media applicable to surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Non-combustible. Use procedures applicable to surrounding fire.

**Unusual Fire & Explosion Hazards:** When heated to decomposition in a fire, product may liberate noxious and/or toxic fumes. See Section #4.

## SECTION 4 - REACTIVITY HAZARD DATA

**STABILITY** [ X ] STABLE [ ] UNSTABLE

**Incompatibility** (Mat. to avoid): Aluminum metal, anionic surfactants, anything reactive to water.

**HAZARDOUS POLYMERIZATION** [ ] WILL [ X ] WILL NOT OCCUR

**Conditions to Avoid:** High temperatures.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, unidentified organic compounds.

## SECTION 5 - HEALTH HAZARD DATA

**PRIMARY ROUTES OF ENTRY:** [ ] INHALATION [ X ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS

### ACUTE EFFECTS

**Inhalation:** Inhalation of spray or mist may cause irritation of respiratory tract tissues.

**Eye Contact:** Moderate to severe irritation, depending on quantity & duration of contact. **Skin Contact:** Prolonged or repeated contact may cause irritation.

**Ingestion:** Moderate to severe irritation of gastrointestinal tract tissues. Toxic effects unlikely.

**CHRONIC EFFECTS:** None known.

**Medical Conditions Generally Aggravated by Exposure:** Contact may aggravate pre-existing irritation.

## EMERGENCY FIRST AID PROCEDURES

**Eye Contact:** Flush with water for 15 minutes. If irritation persists, get medical attention.

**Skin Contact:** Remove contaminated clothing. Wash with soap and water. If irritation persists, get medical attention.

**Inhalation:** Remove to fresh air. If necessary seek medical attention.

**Ingestion: DO NOT INDUCE VOMITING.** Drink 3 to 4 glasses of water or large quantity of milk, egg whites or gelatin solution. Get immediate medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

**Respiratory Protection (specify type):** None needed under normal conditions of handling and usage.

**Protective Gloves:** Rubber

**Eye Protection:** Safety glasses or chemical goggles.

**Ventilation Requirements:** Special ventilation is not needed under normal conditions of handling and usage.

**Other Protective Clothing & Equipment:** Eyewash station and safety shower.

**Hygienic Work Practices:** Do not eat, drink or smoke in work area. Wash hands after handling.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken If Material Is Spilled Or Released:** Do not allow large spills to contaminate sewers, ground or surface waters. Contain spill. Soak up in inert absorbent material. Place in leak-proof containers. Seal & label properly. Dispose of in a lawful manner.

**Waste Disposal Methods:** Dispose of in accordance with all local, state and federal regulations.

**Precautions To Be Taken In Handling & Storage:** Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold.

**Other Precautions &/or Special Hazards:** KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only