



MATERIAL SAFETY DATA SHEET

CEDARWOOD OIL

Revised: August 31, 2011

I. PRODUCT INFORMATION

| | |
|--|---|
| MANUFACTURER NAME AND ADDRESS: Giles and Kendall, 3470 Maysville Rd, P.O. Box 188, Huntsville, AL 35804 | |
| CHEMICAL NAME: Oil of Cedarwood, (Juniperus Virginiana L.) | CHEMICAL FORMULA: N/A |
| TRADE NAME AND SYNONYMS: American Cedarwood Oil, Cedarwood Oil Virginiana | CHEMICAL FAMILY: Natural Essential Oil |
| CAS NUMBER: 8000-27-9 | CHEMICAL INFORMATION: |

II. HAZARD IDENTIFICATION

| | |
|---|--|
| EMERGENCY OVERVIEW: | Irritating to eyes, respiratory system, and skin |
| POTENTIAL HEALTH EFFECTS: | |
| Eyes: | May cause irritation |
| Ingestion: | May cause gastrointestinal discomfort |
| Skin: | May cause irritation to skin |
| Inhalation: | May cause irritation to respiratory tract |
| Not listed as a carcinogen by IARC, NTP or OSHA | |

III. PHYSICAL DATA

| | |
|-----------------------------------|---|
| BOILING POINT: 150 to 300 °C | SPECIFIC GRAVITY (Water = 1.0): 0.944 TO 0.0948 @ 25 °C |
| VAPOR PRESSURE (mm Hg): N/A | PERCENT VOLATILE BY VOLUME: N/A |
| VAPOR DENSITY (AIR = 1) > 1.0 | EVAPORATION RATE: N/A |
| SOLUBILITY IN WATER: Insoluble | APPEARANCE AND ODOR: Light yellow, slightly viscous oil, irritating odor |

IV. FIRE AND EXPLOSION HAZARD DATA

| | |
|---|--|
| FLASH POINT (method used): > 200 °F (closed cup) | FLAMMABLE LIMITS: N/A |
| EXTINGUISHING MEDIA: Carbon Dioxide, dry chemical or foam | NFPA Rating Health: 0, Fire: 1, Reactivity: 0 |
| SPECIAL FIRE FIGHTING PROCEDURES: Firefighter should wear full protective equipment and NIOSH approved self contained breathing apparatus. | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: Explosive when mixed with oxidizing substances. Fire or excessive heat may produce hazardous decomposition products. | |

| V. REACTIVITY | |
|---|--|
| STABILITY: | Stable |
| CONDITIONS TO AVOID: | Direct sunlight, product is photosensitive, heat and sources of ignition |
| INCOMPATIBILITY (materials to avoid): | Avoid Oxidizers. Mixes readily with Hydrocarbons, Polyvinyls, printing or oil based inks, etc., some metals will become "pitted" |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Will produce COx when burned |
| HAZARDOUS POLYMERIZATION: | None known to Giles & Kendall |
| VI. FIRST AID MEASURES | |
| AFFECTS OF OVEREXPOSURE: | |
| ROUTES OF ENTRY: | Inhalation and skin contact |
| INHALATION: | Acute exposures may cause irritation of nose and throat, dryness, drowsiness, drunkenness, and unconsciousness. |
| SKIN CONTACT: | Prolonged or repeated skin contact can cause irritation or a mild case of contact dermatitis through defatting of the skin. Has been reported to possess slight activity as an acute or chronic local irritant or allergen. Acute dermal LD ₅₀ value in rabbits of 5g/kg. |
| INGESTION: | If ingested, it's affects are similar to those experienced from inhalation. Acute oral LD ₅₀ in rats: 5g/kg. |
| EYE CONTACT: | Liquid and vapor contact can be mildly irritating to the eyes. No corneal injury is likely. May cause conjunctivitis. |
| EMERGENCY AND FIRST AID PROCEDURES: | SEEK MEDICAL ATTENTION |
| INHALATION: | Remove subject to a fresh air environment. If breathing has stopped, administer CPR and/or Oxygen. |
| SKIN CONTACT: | Remove any contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, contact a physician. |
| INGESTION: | Give water to dilute and induce vomiting as directed by medical personnel. Contact a physician or poison control center. |
| EYE CONTACT: | Flush eyes immediately with water for 15 minutes. If irritation persists contact a physician. |
| VIII. SPILL OR LEAK PROCEDURES | |
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED | Eliminate all ignition sources. Evacuate area, ventilate, avoid breathing vapors, and contain spill. Clean up area by mopping or with absorbent material, transfer to a closed container. Spills over 1000 lbs. are reportable 49 CFR 172.101. |
| WASTE DISPOSAL METHOD | Recovered liquids may be sent to a licensed reclaimer or incinerated. Contaminated absorbent material must be disposed of in a permitted waste management facility. Consult federal, local, and state authorities for approved disposal procedures. |

VIII. SPECIAL PROTECTION INFORMATION

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY: None required when used with adequate ventilation
EYES: Splash proof chemical safety goggles. Do not wear contact lenses
SKIN: Natural rubber, Neoprene, PVC or equivalent gloves
OTHER: Lab coat, apron, eye wash, safety shower
VENTILATION: Sufficient to maintain below PEL.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING

Avoid contact with skin and avoid breathing vapors. Pipe vents outdoors. Store in dry, ventilated area (ca. 25 °C). Vapors are heavier than air and will collect in low areas.

OTHER PRECAUTIONS

Prevent moist air from entering storage. Keep vapors away from ignition sources.
Avoid direct sunlight and heat.

The information provided in this Material Safety Data Sheet represents a compilation of data drawing directly from various sources available to us. Giles & Kendall makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Product Name: Cedarwood Oil