

Humco Holding Group, Inc.
7400 Alumax Drive
Texarkana, Tx 75501
903-334-6200

Item#0395-2075

Turpentine Oil, Rectified

Date Prepared: 04/10/07

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

Product Name: Turpentine Oil, Rectified

CAS No: 8006-64-2

FEMA #: NA

Warning: Flammable Liquid. May cause eye, skin and respiratory tract irritation. May cause drowsiness and dizziness. If swallowed, vomiting may cause fatal lung damage.

Emergency Telephone Numbers:

Humco Holding Group, Inc. 800-622-3435

Chemtec. 800-424-9300

SECTION 2

HAZARDOUS INGREDIENTS

Contains: SARA Title II – This product does not contain any Toxic Chemicals subject to the reporting requirements of Section 313 40 CFR Part 372.

SECTION 3

PHYSICAL DATA

Boiling Point (°C): NA

Solubility in Water: Negligible

Flash Point: 96°F CC

% Volatiles: 99%

Specific Gravity @ 25°C: 0.86

Appearance: Colorless liquid having a typical pine odor.

SECTION 4

FIRE & EXPLOSION HAZARD

Extinguishing Media: Water spray, foam, CO₂, Dry Chemical

Special Fire Fighting & Explosion Hazards: Use self-contained breathing apparatus. Cool containers with water if exposed to fire.

Unusual Fire & Explosion Hazards: NF

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Hazardous Combustion Products: Carbon monoxide, carbon dioxide and/or smoke. Depending on conditions, some aliphatic aldehydes and carboxylic acids also may be formed.

DOT Hazard Classification: Flammable Liquid Turpentine 3 (flammable liquid) UN 1299, PGIII

NFPA Ratings

Key 4 = Severe

3 = Serious

2 = Moderate

1 = Slight

Health 2

Flammability 3

Reactivity 0

SECTION 5

HEALTH HAZARD DATA

Threshold Limit Value (ACHIG TLV): NF

Threshold Limit Value (OSHA PEL): 100 ppm

Carcinogenicity: NTP Monograph: NF **IARC Monograph:** NF

Acute Toxicity Data

Acute: Lethal dose between 1,100 – 2,400 mg/kg., or approximately 4 to 6 oz., for an adult. Coughing and choking often occur after ingestion. Aspiration may lead to pulmonary edema and pneumonitis. Accidental eye contact leads to severe pain with reversible corneal injury.

Subacute: Exposure to vapor at 720 – 1,100 ppm for 3.5 to 4 hours causes eye irritation, headache, dizziness, nausea, chest pain and visual disturbances.

Oral LD50: 1,400 – 5,200 mg/kg. (rat)

Inhalation LD50: 2,430 ppm (Rat – 6 hour) (13.5 mg/L)

Dermal LD50: NF

Eye: NF

Development Toxicity: d-Limonene, a component of this product, administered to pregnant rats, mice and rabbits at daily dosage levels equivalent to approximately half the acutely lethal dose produced maternal toxicity and embryo/fetotoxicity, but no evidence

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of teratogenicity. Toxicity was reflected primarily in weight loss or reduces weight gain and in fetuses, delayed development.

Health Hazards (Acute & Chronic)

Warning! May cause eye, skin and respiratory tract infection. Vapor may cause drowsiness and dizziness. If swallowed, vomiting may cause fatal lung damage.

Signs & Symptoms of Exposure in the Work Place

Ingestion: May cause stomach pain, nausea and vomiting, irritation of mouth and throat. Aspiration into the lungs after ingestion will cause severe lung damage (pulmonary edema and hemorrhage which could be fatal.

Inhalation: Vapors may cause central nervous system depression and mucous membrane irritation. Symptoms of overexposure are light headedness (dizziness), headache, intoxication which could lead to unconsciousness. Vapors may also cause irritation of the upper respiratory tract.

Skin Contact: Causes defatting of the skin which can lead to irritation and dermatitis.

Eye Contact: Liquid and vapor may cause eye irritation.

SECTION 6 EMERGENCY & FIRST AID PROCEDURES

Skin Contact: The affected area should be thoroughly washed with soap and water. Flush with large quantities of water. If irritation persists, contact a physician.

Eye Contact: Remove contact lenses. Flush immediately with copious amounts of low-pressure cold clean water for at least 15 minutes. Contact physician immediately.

Ingestion: DO NOT INDUCE VOMITING! Contact a physician or local poison control center immediately. (Never administer anything by mouth to an unconscious person.)

Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Contact a physician.

Note to Physician: This material contains hydrocarbon solvent. Aspiration into lungs could cause fatal chemical pneumonitis.

Cancer Information: The National Toxicology Program (NTP) concluded that two-year gavage studies with d-Limonene, a component of this product, indicates clear evidence of

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carcinogenic activity in male rats, but not in female rats, nor in male or female mice. However, investigation of the metabolism of d-Limonene in various species suggests these findings are not relevant to human risk assessment. D-Limonene is not listed as a carcinogen by the NTP. It is not regulated as a carcinogen by the Occupational Safety and Health Administration (OSHA) and has not been evaluated by the International Agency for Research and Cancer (IARC). Other components of this product are not listed as carcinogens by the NTP. They are not regulated as a carcinogen by OSHA and have not been evaluated by the IARC.

SECTION 7 REACTIVITY DATA

This material presents no significant reactivity hazard. Hazardous polymerization will not occur and it will not react violently with water. Contact with highly reactive chemical oxidants should be avoided. If burned this product will produce carbon monoxide and/or carbon dioxide.

SECTION 8 PERSONAL PROTECTION

Eyes: The use of goggles or face shield is recommended.

Respiratory: Appropriate respiratory protection is required when exposure to an airborne contaminant is likely to exceed acceptable limits. Respirators should be selected and used in accordance with OSHA, Subpart I (29 CFR 1910.134) and manufacturer's recommendations.

Other Protective Equipment: Chemical resistant gloves are recommended.

Ventilation: Ventilation meeting ACGIH standards should be employed.

Work/Hygienic Practices: Use good, personal hygienic practices. Limit exposure to product whenever possible. Eye wash and/or safety shower should be easily accessible. Wash after any contact. Thoroughly wash any contaminated clothing or shoes before reuse.

SECTION 9 SPILL, LEAK AND WASTE DISPOSAL PROCEDURES

Remove any sources of flame or sparks. If in a confined area NIOSH approved respiratory protection may be required. Absorb spills on vermiculite or other suitable absorbent material and remove to an approved disposal container. Dispose of in accordance with current state, local and federal regulations and laws.

SECTION 10**STORAGE AND HANDLING**

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This product may react with acids, aluminum chloride or boron trifluoride and should not be stored near such materials. Keep away from heat, sparks and open flame. Eliminate sources of ignition and prevent buildup of static electric charges. Store in full, tight containers in a cool, dry place, away from light.