

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Date of Prep: 6/13/02

SECTION 1

SUNNYSIDE CORPORATION
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EMERGENCY TELEPHONE

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FOR INFORMATION:

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- SUNNYSIDE CORPORATION
- CHEM TREC

Product Class: Terpene Hydrocarbons
Trade Name: Turpentine E-50

Manufacturer's Code:
NPCA HMIS:

878
Health: 2
Flammability: 3
Reactivity: 1

Product Appearance and Odor: Clear, colorless to pale yellow liquid with characteristic pineaceous odor.

SECTION 2 -- HAZARDOUS INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS #	PERCENT	ACGIH TLV (TWA)	ACGIH TLV (STEL)	OSHA PEL (TWA)	OSHA PEL (STEL)	VAPOR PRESSURE
Gum Turpentine	9005-90-7		100 PPM	150 PPM	100 PPM		4 MM Hg @ 20° C.
Terpene	8006-64-2		Not est.		Not est.		2 MM Hg @ 20° C
Hydrocarbons							

SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

Inhalation:	Remove victim to fresh air. Get medical attention if irritation persists or for excessive exposures.
Eye Contact:	Remove contact lenses. Promptly flush eyes with copious quantities of running water for at least 15 minutes. Get medical attention promptly.
Skin Contact:	Wash exposed areas with water and soap. Remove contaminated clothing promptly (launder before reuse). Get medical attention if irritation persists.
Ingestion:	Do not induce vomiting. Give 1 or 2 glasses of water or milk. Get medical attention promptly.

SECTION 4 -- PHYSICAL DATA

The following data represent approximate or typical values. They do not constitute product specifications.

Boiling Range:	302-320° F.	Vapor Density:	Heavier Than air
Evaporation Rate:	Slower than ether	% Volatile By Volume:	99% +
Weight Per Gallon:	7.20 Lbs.		
Solubility in Water:	Negligible; 0.02% by weight.		

SECTION 5 -- FIRE AND EXPLOSION DATA

Flammability Classification:	Flammable Liquid - Class IC.
Flash Point:	91° F. (Tag, Closed Cup)
Autoignition Temperature:	Not established.
Lower Explosive Limit:	Not established.
Extinguishing Media:	Carbon Dioxide, dry chemical, or foam. Water may be ineffective.
Unusual Fire and Explosion Hazards:	Flammable. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.
Special Fire Fighting Procedures:	When heated, material is a moderate fire and explosion hazard, use water spray to cool fire exposed containers. Firefighters and others exposed to products of combustion should wear self-contained breathing apparatus and full firefighting protective clothing. Dike area to prevent runoff.

SECTION 6 -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: EFFECTS OF OVEREXPOSURE	Not established for mixture – See section 2.
Skin Contact:	Can cause dermatitis or chemical burns. It can penetrate the skin to produce systemic effects.
Eye Contact:	Is irritating and damaging. It can cause conjunctivitis or corneal burns. Can irritate the eyes.
Inhalation:	Vapors or mist are irritating and can produce headaches, dizziness, vertigo, chest pain, bronchitis, pulmonary edema, cyanosis, narcosis, accelerated pulse.
Ingestion:	Can produce nausea, serious illness or even death. (Mean lethal dose, adult, 4-6 oz.)
Chronic Exposure:	May cause predisposition to pneumonia and chronic nephritis. Chronic exposure can produce allergenic sensitization. Possibility of teratogenic effects exists for pregnant women.
Carcinogenicity:	Components of this product have been identified as carcinogens by NTP, IARC, or OSHA.

SECTION 7 -- REACTIVITY DATA

Stability:	Reasonably stable when stored in a well ventilated, cool place in suitable containers sealed to exclude air.
Conditions to Avoid:	Turpentine can undergo autoxidation in air and generate heat which can build up in a confined space, causing spontaneous combustion.
Incompatibility (Materials to Avoid):	Acids or acidic materials, strong oxidizing agents, strong bases and Iodine Pentafluoroethylene.
Hazardous Decomposition Products:	Carbon monoxide and/or carbon dioxide and water.
Hazardous Polymerization:	May occur from contamination with acids.

SECTION 8 -- SPILL OR LEAK PROCEDURES

Steps to be taken in case material is spilled or released: Provide adequate explosion proof ventilation to remove fumes from spill area. Where exposure level is not known, wear NIOSH approved positive pressure self-contained respirator. Personnel should use protection against contact with liquids as well as against breathing vapors. Pick up with absorbent material and place in a waste disposal container. Due to spontaneous combustion hazard, use sand rather than oil dri. Flush area with water.

Waste disposal method: Burning is recommended for waste disposal, using an approved incinerator. Dispose of in accordance with local, state and federal regulations.

SECTION 9 -- SAFE HANDLING AND USE INFORMATION

Respiratory Protection:	For high exposures use NIOSH approved air line or self-contained respirators. A full face mask is needed to prevent eye irritation from vapors. NIOSH approved organic-vapor respirator may be used for low exposure levels.
Ventilation:	Good enclosure and local exhaust. Ventilation should be used to maintain air concentrations below occupational exposure limits.
Protective Gloves:	Wear impervious gloves to minimize skin contact.
Eye Protection:	Wear chemical splash goggles. Provide eye bath.
Other Protective Equipment:	Provide safety shower in area of use.

SECTION 10 -- SPECIAL PRECAUTIONS

Dept. of Labor Storage Category: Flammable liquid - Class 1C.

Hygienic Practices: Store in well ventilated, cool dry place away from sources of heat and ignition. No smoking in areas of storage or use.

Additional Precautions: Ground containers when transferring liquid to prevent static accumulation and discharge. Additional information regarding safe handling of products with static accumulation potential can be ordered by contacting the American Petroleum Institute (API) for API Recommended Practice 2003, entitled "Protection Against Ignitions Arising Out of Static, Lighting, and Stray Currents" (American Petroleum Institute, 1720 L Street Northwest, Washington, DC 20005), or the National Fire Protection Association (NFPA) for NFPA 77 entitled "Static Electricity" (National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101).

Empty Container Warning: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition. They may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to supplier or disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 11 -- ADDITIONAL INFORMATION

This product contains the following toxic chemical(s) which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

TOXIC CHEMICAL	CAS #	APPROXIMATE % BY WEIGHT
NONE	NONE	NONE

SARA Title III Hazard Categories: Immediate (Acute) Health, Delayed (Chronic) Health, Fire.

TRANSPORTATION *(U.S. Dot land transportation in packages of 119 gallons or less)

U.S. D.O.T. Proper Shipping Name: Flammable Liquid, NOS (contains turpentine, Terpene Hydrocarbons)

U.S. D.O.T. Hazard Class & Packing group 3, III

U.S. D.O.T. I.D. Number: UN 1993

*Refer to CFR49 for additional information. Exceptions or exemptions may exist for small quantities.