

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Date of Prep: 7/1/89

SECTION 1

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SUNNYSIDE CORPORATION
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FOR INFORMATION: (708) 541-5700

Product Class: Alcohol-mixture
Trade Name: DENATURED ALCOHOL SOLVENT

Manufacturer's Code: 834
NPCA HMIS: H1 F3 R0

Product Appearance and Odor: Clear, colorless liquid; characteristic alcohol odor.

SECTION 2 -- HAZARDOUS INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS #	PERCENT	ACGIH	ACGIH	OSHA	OSHA	VAPOR PRESSURE
			TLV (TWA)	TLV (STEL)	PEL (TWA)	PEL (STEL)	
Ethyl Acetate	141-78-6		400 PPM		400 PPM		86 MM Hg @ 20° C.
Ethyl Alcohol	64-17-5		1000 PPM		1000 PPM		40 MM Hg @ 55° F.
Heptane	142-82-5		400 PPM	500 PPM	400 PPM	500 PPM	Approx. 50 MM Hg @ 25° C.
Methyl Isobutyl Ketone	108-10-1		50 PPM	75 PPM	50 PPM	75 PPM	0.75 MM Hg @ 50° F.
Methyl Alcohol	67-56-1		200 PPM (SKIN)	250 PPM	200 PPM (SKIN)	250 PPM	96 MM Hg @ 20° C.

SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

POISON! GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Remove to fresh air. If breathing has stopped, administer artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen.

EYES: Flush eyes immediately with water for at least 15 minutes. Get medical attention.

SKIN: Flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

INGESTION: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 4 -- PHYSICAL DATA

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

Boiling Range:	165° F. (I.B.P.)	Vapor Density:	Heavier than air
Evaporation Rate:	Slower than ether	% Volatile By Volume:	100 %
Weight Per Gallon:	6.78 Lbs.		
Solubility in Water:	Complete		

SECTION 5 -- FIRE AND EXPLOSION DATA

Flammability Classification: Flammable liquid Class IB.

Flash Point: 56° F. Tag. Closed Cup

Lower Explosive Limit: 3.5% @ 77° F.

Extinguishing Media: Water spray, dry chemical, CO2, "Alcohol" Foam.

Unusual Fire and Explosion Hazards: Flammable liquid. Vapors are heavier than air and may travel considerable distance to a source of ignition and flash back.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Water may be ineffective for fire fighting, use water spray to keep fire-exposed containers cool.

SECTION 6 -- HEALTH HAZARD DATA**THRESHOLD LIMIT VALUE:
EFFECTS OF EXPOSURE:**

See Section 2.
Prolonged exposure to excessive concentrations of ethanol may result in irritation of mucous membranes, headache, drowsiness, fatigue and narcosis. Methanol is also narcotic in effect and its effects are cumulative. Overexposure to methanol can result in acidosis and visual disturbances which may progress to permanent loss of vision.

Routes of Exposure:

Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through the skin.
Eyes: Liquid or vapor may cause irritation.
Ingestion: May be fatal or cause blindness if swallowed.

SECTION 7 -- REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Keep away from heat, sparks and flame.
Incompatibility (Materials to Avoid): Oxidizing materials can cause a vigorous reaction.
Hazardous Decomposition Products: Combustion will produce carbon dioxide and probably carbon monoxide.
Hazardous Polymerization: Will not occur.

SECTION 8 -- SPILL OR LEAK PROCEDURES

Steps to be taken in case material is spilled or released: Eliminate all ignition sources. Small spills may be collected with absorbent materials. For large spills flush area with water spray, prevent run off from entering drains, sewers or streams.

Waste disposal method: Incinerate under safe conditions, observe all federal, state and local laws concerning health and environment.

SECTION 9 -- SAFE HANDLING AND USE INFORMATION

Respiratory Protection: An appropriate NIOSH-approved respirator for organic vapor should be worn if needed.
Ventilation: Recommend at least ten air changes per hour for good general room ventilation.
Protective Gloves: Solvent resistant protective gloves.
Eye Protection: Safety glasses should be worn in any industrial operation.
Other Protective Equipment: Safety shower, eye wash, and washing facilities should be available.

SECTION 10 -- SPECIAL PRECAUTIONS

Dept. of Labor Storage Category: Flammable Liquid Class IB.
Hygienic Practices: Keep away from heat, sparks and open flame, keep containers closed when not in use. Avoid eye contact. Avoid prolonged or repeated contact with skin. Wash skin with soap and water after contact.
Additional Precautions: Ground containers when transferring liquid to prevent static accumulation and discharge.
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:

<u>TOXIC CHEMICAL</u>	<u>CAS #</u>	<u>APPROXIMATE % BY WEIGHT</u>
Methanol	67-56-1	3.6%
Methyl Isobutyl Ketone	108-10-1	1.9%

MAR 04 1991

SUNNYSIDE CORPORATION
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WHEELING, IL 60090
February 28, 1991

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SUNNYSIDE CORPORATION, AS WELL AS OTHER RESPONSIBLE DISTRIBUTORS OF PETROCHEMICALS, IS INTERESTED IN THE PROPER AND SAFE HANDLING OF OUR PRODUCTS BY OUR CUSTOMERS, THEIR EMPLOYEES AND OTHERS WHO MAY COME IN CONTACT WITH THESE PRODUCTS. THEREFORE, WE URGE YOU TO CAREFULLY READ THE ENCLOSED MATERIAL SAFETY DATA SHEET (S). THIS INFORMATION SHOULD BE COMMUNICATED TO ALL SUBSEQUENT USERS OF THE PRODUCT. MATERIAL SAFETY DATA SHEET (S), AND OTHER INFORMATION ON ALL PRODUCTS WHICH WE SUPPLY ARE AVAILABLE UPON REQUEST.

DEFINITIONS OF TERMS THAT ARE NOT SELF-EXPLANATORY

TLV - THRESHOLD LIMIT VALUE: A SET OF STANDARDS ESTABLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH) FOR AIRBORNE SUBSTANCES IN WORKROOM AIR; THEY ARE TIME-WEIGHTED AVERAGES BASED ON CONDITIONS WHICH IT IS BELIEVED THAT WORKERS MAY BE REPEATEDLY EXPOSED TO DAY AFTER DAY WITHOUT ADVERSE EFFECTS. TLV VALUES ARE INTENDED TO SERVE AS GUIDES IN CONTROL OF HEALTH HAZARDS, RATHER THAN DEFINITIVE MARKS BETWEEN SAFE AND DANGEROUS CONCENTRATIONS.

LEL - LOWER EXPLOSIVE LIMIT: THE MINIMUM CONCENTRATION OF VAPOR IN AIR, BELOW WHICH PROPAGATION OF FLAME DOES NOT OCCUR ON CONTACT WITH A SOURCE OF IGNITION. GENERALLY BASED UPON NORMAL ATMOSPHERIC TEMPERATURES AND PRESSURES, UNLESS OTHERWISE INDICATED. USUALLY, ELIMINATION OF ALL SOURCES OF IGNITION IS THE BEST METHOD OF FIRE PREVENTION.

DEPARTMENT OF LABOR FLAMMABILITY CLASSIFICATION (OSHA CLASSIFICATION 29 CFR - 1910.106 (A) PARTS 18-19): SUSCEPTIBILITY TO BURNING IS THE BASIS FOR ASSIGNING DEGREES WITHIN THIS CATEGORY.

STABILITY: AN UNSTABLE PRODUCT IS ONE WHICH UNDER FORESEEABLE CONDITIONS OF USE OF STORAGE MAY CREATE A DANGEROUS CONDITION.

FLASH POINT: THE TEMPERATURE, IN DEGREES FAHRENHEIT, AT WHICH A LIQUID GIVES OFF SUFFICIENT VAPOR TO FORM A FLAMMABLE OR IGNITABLE MIXTURE WITH AIR. (TAG. CLOSED CUP DENOTES THE LABORATORY TEST METHOD THAT IS USED IN DETERMINING THE FLASH POINT.)

Enclosures: 834