

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Date of Prep: 08/17/07

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: Mixed Solvents
Trade Name: 451 LACQUER THINNER

Manufacturer's Code:
NPCA HMIS:

451
Health: 2
Flammability: 3
Reactivity: 1

Product Appearance and Odor: Clear, colorless liquid; mixed solvent 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
Acetone	67-64-1		500 PPM	750 PPM	750 PPM	1000 PPM	213 MM Hg @ 77° F.
Isopropyl Alcohol	67-63-0		400 PPM	500 PPM	400 PPM	500 PPM	30.0 MM Hg @ 68° F.
Methyl Isobutyl Ketone	108-10-1		50 PPM	75 PPM	50 PPM	75 PPM	1.0 MM Hg @ 50° F.
Toluene	108-88-3		20 PPM *(SKIN, A4)		100 PPM	150 PPM	Approx. 54 MM Hg @ 25° C.
2-Butoxyethanol	111-76-2		20 PPM (SKIN)		20 PPM (SKIN)		0.6 MM Hg @ 20° C.

*Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data.

SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

Inhalation:	Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.
Skin Contact:	Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.
Ingestion:	If swallowed, do not induce vomiting. Keep at rest. Get prompt medical attention.

SECTION 4 -- PHYSICAL DATA

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

Boiling Range:	133° F. (I.B.P.)	Vapor Density:	Heavier than air
Evaporation Rate:	Slower than ether	% Volatile by Volume:	100%
Weight Per Gallon:	7.05 lbs.		
Solubility in Water:	25% vol.		

SECTION 5 -- FIRE AND EXPLOSION DATA

Flammability Classification:	Flammable liquid - Class IB
Flash Point:	0° F. (Tag Closed Cup)
Lower Explosive Limit:	1.1%
Extinguishing Media:	Either allow fire to burn under controlled conditions or extinguish with alcohol type foam and dry chemical. Try to cover liquid spills with foam.
Unusual Fire and Explosion Hazards	Extremely 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:	Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire. If leak or spill has not ignited, use water spray to disperse the vapors.

SECTION 6 -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: EFFECTS OF OVEREXPOSURE:	See Section 2.
Eye Contact:	Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.
Skin Contact:	Harmful if absorbed through the skin. Contact may cause skin irritation including redness, burning, drying and cracking of the skin.
Inhalation:	Breathing high vapor concentrations may result in respiratory tract irritation, central nervous system depression, liver and kidney damage and possibly death. Brain cell damage may result from long-term vapor inhalation.
Ingestion:	Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
Carcinogenicity:	There is inadequate data available to evaluate the risk of developing cancer from exposure to the Toluene present in this product. None of the solvents in this product are listed as carcinogens or potential carcinogens by the NTP, IARC, or OSHA.
Target Organs:	Toluene is a potential hazard to the central nervous system, kidney, liver and sense of hearing.
Developmental:	Potential hazard to the fetus.
Medical Conditions Aggravated by Exposure:	Skin disorders, respiratory (asthma-like) conditions, kidney and liver disorders.
Chronic:	Studies of 2-Butoxyethanol with experimental animals have produced damage to the red blood cell by inhalation, skin absorption, and ingestion. Toxic liver effects in male rats were also observed.

SECTION 7 -- REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Heat, sparks and flame. Isopropyl Alcohol possesses moderate risk of peroxide formation on storage and concentration. Inhibitor not been added to mitigate peroxide hazard.
Incompatibility (Materials to Avoid):	Strong oxidizing agents like liquid chlorine or concentrated oxygen.
Hazardous Decomposition Products:	Thermal decomposition may yield carbon monoxide.
Hazardous Polymerization:	Will not occur

SECTION 8 -- SPILL OR LEAK PROCEDURES

Steps to be taken in case material is spilled or released: Remove ignition sources, evacuate area, avoid breathing vapor or contact with liquid. Recover free liquid or stop leak if possible. Dike large spills and use absorbent material for small spills. Keep spilled material out of sewers, ditches and bodies of water.

Waste disposal method: Incinerate under safe conditions; dispose of in accordance with local, state and federal regulations.

SECTION 9 -- SAFE HANDLING AND USE INFORMATION

Respiratory Protection:	Appropriate vapor canister, self-contained breathing apparatus or supplied-air hose mask, if needed.
Ventilation:	Sufficient, in volume and pattern, to keep workroom concentration below current applicable OSHA safety and health requirements. See Section 2. Use explosion-proof equipment. No smoking.
Protective Gloves:	Wear resistant gloves such as nitrile rubber.
Eye Protection:	Chemical safety goggles should be worn.
Other Protective Equipment:	Impermeable apron or smock and boots should be worn to minimize skin contact. Safety shower, eye bath 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. 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
Methyl Isobutyl Ketone	108-10-1	14.26%
Toluene	108-88-3	61.69%
Glycol Ethers (Ethylene Glycol Monobutyl Ether)	111-76-2	5.34%

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

Common Names: Lacquer Reducer, Solvent Mixture

California Proposition 65: This product contains Toluene, a chemical known to the State of California to cause birth defects or other reproductive harm, and trace amounts of Benzene, a chemical known to the State of California to cause cancer.

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

Proper Shipping Name:	Paint Related Material
Hazard Class:	3
Packing Group:	II
Identification Number:	UN 1263
Hazardous Substance(s):	Toluene RQ 1000 lbs. Methyl Isobutyl Ketone RQ 5000 lbs.

*Refer to 49 CFR for additional information. Exceptions or exemptions may exist for smaller quantities.