

# MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Date of Prep: 05/03/05

## SECTION 1

SUNNYSIDE CORPORATION 225 CARPENTER AVENUE WHEELING, ILLINOIS 60090 EMERGENCY TELEPHONE	(847) 541-5700 (800) 424-9300	FOR INFORMATION: - SUNNYSIDE CORPORATION - CHEM TREC	(847) 541-5700
Product Class: Mixed Solvents	Manufacturer's Code: 464		
Trade Name: 464 LACQUER THINNER	NPCA HMIS:	Health: 2 Flammability: 3 Reactivity: 0	

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
n-Butyl Alcohol	71-36-3		50 PPM (SKIN)	50 PPM	50 PPM (SKIN)	50 PPM	5.5MM Hg @ 20° C.
Ethyl Alcohol	64-17-5		1000 PPM		1000 PPM		40 MM Hg @ 60° F.
Light Aliphatic	64742-89-8		300 PPM		300 PPM	400 PPM	Approx. 26 MM Hg @ 100° C.
Solvent Naphtha			(For VM&P Naphtha - CAS #8032-32-4)				
Xylene	1330-20-7		100 PPM *(A4)	150 PPM *(A4)	100 PPM	150 PPM	7 MM Hg @ 68° F.
Ethyl Benzene	100-41-4		100 PPM	125 PPM	100 PPM	125 PPM	10 MM Hg @ 68° F.

\*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. Get prompt medical attention.
Eye Contact:	Immediately flush eyes with large quantities of water for at least 15 minutes. Get prompt medical attention.
Skin Contact:	Flush with large quantities of water; use soap if available.
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:	165° F. (I.B.P.)	Vapor Density:	Heavier than air
Evaporation Rate:	Slower than ether	% Volatile By Volume:	100%
Weight Per Gallon:	6.60 lbs.		
Solubility in Water:	Approx. 25%		

**SECTION 5 -- FIRE AND EXPLOSION DATA**

Flammability Classification:	Flammable liquid - Class IB.
Flash Point:	50° F. (Tag Closed Cup)
Lower Explosive Limit:	0.9% (Estimated)
Extinguishing Media:	Dry chemical, CO <sub>2</sub> , "Alcohol" foam or water spray.
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:	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 OVEREXPOSURE:	Not established for mixture - See Section 2.
Acute:	
Eye Contact:	Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.
Skin Contact:	Prolonged or repeated contact may cause drying, cracking and defatting of the skin which may result in skin irritation and dermatitis.
Inhalation:	High concentrations of vapor cause upper respiratory tract irritation and narcosis (sleepiness, drowsiness, etc.).
Ingestion:	This product is moderately toxic and may be harmful if swallowed. Can cause depression of central nervous system, nausea, vomiting and diarrhea.
Target Organs:	Laboratory animals exposed to high doses of Xylene and n-Butyl Alcohol present in this product have shown some evidence of effects on the kidneys, liver, lungs, spleen, heart, blood and adrenals. Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.
Developmental:	Inhalation and oral administration of Xylene present in this product resulted in decreased fetal weight, increased incidences of delayed ossification, skeletal variations and resorptions.
Carcinogenicity:	Xylene is not known to be mutagenic, carcinogenic or a skin sensitizer. There is inadequate data available to evaluate the risk of developing cancer from exposure to the Xylene present in this product. However, none of the solvents in this product are listed as carcinogens or potential carcinogens by the NTP, IARC or OSHA.
Chronic Effects:	<p>This product contains Ethyl Benzene. A draft report on a study conducted by the National Toxicology program states that lifetime inhalation exposure of rats and mice to concentrations of Ethyl Benzene (750 ppm) resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentration of Ethyl Benzene (75 ppm or 250 ppm). The draft report does not address the relevance of these results to humans.</p> <p>The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.</p>
Medical Conditions Aggravated by Exposure:	Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Exposure to high concentrations of this material may cause irregular heartbeats (arrhythmias). Persons with pre-existing heart disorders may be more susceptible to this effect.

**SECTION 7 -- REACTIVITY DATA**

Stability:	Stable
Conditions to Avoid:	Heat, sparks, 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: 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:	An appropriate NIOSH-approved respirator for organic vapor should be worn if needed.
Ventilation:	General: Recommend at least ten air changes per hour for good general room ventilation. Local Exhaust: If needed to control vapor below occupational exposure limits.
Protective Gloves:	Solvent resistant.
Eye Protection:	Safety goggles should be worn in any type of industrial operation.
Other Protective Equipment:	An 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. 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
Xylene (Mixed Isomers)	1330-20-7	13.04%
Ethyl Benzene	100-41-4	2.29%
n-Butyl Alcohol	71-36-3	22.60%

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

Common Names: Lacquer reducer, flammable solvent mixture

California Proposition 65: This product contains Ethyl Benzene and trace amounts of Benzene and Toluene which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65.

**TRANSPORTATION**

U.S. D.O.T. Proper Shipping Name: Paint Related Material

U.S. D.O.T. Hazard Class & Packing Group: 3, II

U.S. D.O.T. I.D. Number: UN 1263

U.S. D.O.T. Hazardous Substance: Xylene (mixed) RQ 100 lbs.  
Ethyl Benzene RQ 1000 lbs.  
n-Butyl Alcohol RQ 5000 lbs.  
RQ of mixture 767 lbs.

Refer to 49 CFR for possible exceptions and exemptions.