

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

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SECTION 1

SUNNYSIDE CORPORATION
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EMERGENCY TELEPHONE

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FOR INFORMATION:

(847) 541-5700

- SUNNYSIDE CORPORATION
- CHEM TREC

Product Class: Mixed Solvents
Trade Name: LACQUER RETARDER

Manufacturer's Code:
NPCA HMIS:

470
Health: 2
Flammability: 3
Reactivity: 0

Product Appearance and Odor: Clear, water-white 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
Xylenes	1330-20-7		100 PPM *(A4)	150 PPM *(A4)	100 PPM	150 PPM	7 MM Hg @ 20°C.
Ethyl Benzene	100-41-4		100 PPM	125 PPM	100 PPM	125 PPM	10 MM Hg @ 68°F.
n-Butyl Acetate	123-86-4		150 PPM	200 PPM	150 PPM	200 PPM	10 MM Hg @ 20°C.
n-Butyl Alcohol	71-36-3		50 PPM (SKIN)	50 PPM (CEILING)	50 PPM (SKIN)	50 PPM (CEILING)	5.5 MMHg @ 20°C.
2-Butoxy ethanol	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

Eye Contact:	Move victim away from exposure and into fresh air. Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.
Skin Contact:	Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.
Inhalation:	If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.
Ingestion:	Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get immediate medical attention.
Note to Physicians:	Exposure to high concentrations of this material (for example, use in enclosed spaces or in cases of deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

SECTION 4 -- PHYSICAL DATA

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

Boiling Range:	244°(F.) – I.B.P.	Vapor Density:	Heavier than air
Evaporation Rate:	Slower than ether	% Volatile By Volume:	100%
Weight Per Gallon:	7.21 Lbs.		
Solubility in Water:	Negligible; less than 0.08%		

SECTION 5 -- FIRE AND EXPLOSION DATA

Flammability Classification(NFPA):	Flammable Liquid - Class IC.
Flash Point:	79° (F) (Tag. Closed Cup).
Lower Explosive Limit:	1.0% @ 68°F
Extinguishing Media:	Carbon Dioxide, foam, dry chemical, water spray. Do not use direct water stream; it will spread fire.
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:	Use air-supplied rescue equipment for enclosed areas. Cool exposed containers with water.

SECTION 6 -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: EFFECTS OF OVEREXPOSURE	Not Established for Mixture-See Section 2.
Eye Contact:	Causes irritation. Based on product testing, product is severely irritating to eyes.
Skin Contact:	Harmful if absorbed through the skin. Causes irritation. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.
Inhalation:	Vapors are irritating to the nose, throat and respiratory tract. High vapor concentrations may cause central nervous system depression.
Ingestion:	Harmful if swallowed; may produce central nervous system depression. Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.
Carcinogenicity:	Xylene is not known to be mutagenic, carcinogenic or a skin sensitizer. However, the available experimental data are limited and insufficient to assess carcinogenic potential. Xylene is not listed as a carcinogen by NTP, IARC or OSHA.
Target Organs:	A six week inhalation study with Xylene produced hearing loss in rats. Laboratory animals exposed by various routes to high doses of Xylene have exhibited effects in liver, kidneys, lungs, spleen, heart, blood and adrenals.
Developmental:	Xylene produced limited evidence of developmental toxicity in laboratory animals. Inhalation and oral administration of Xylene resulted in decreased fetal weight, increased incidences of delayed ossification, skeletal variations and resorptions.
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.
Chronic Effects:	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. 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. This product contains 2-Butoxy ethanol. Studies in 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; however forms peroxides of unknown stability.
Conditions to Avoid:	Heat, sparks and flame.
Incompatibility (Materials to Avoid):	Strong oxidizing agents like liquid chlorine or concentrated oxygen, concentrated nitric and sulfuric acids, halogen and molten sulphur.
Hazardous Decomposition Products:	Thermal decomposition may yield carbon dioxide and 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 vapors 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 organic vapor canister, self-contained breathing apparatus or supplied-air hose mask, if needed.
Ventilation:	Exposure levels should be maintained below applicable exposure limits - see Section 2. This product should not be used in confined spaces, or in a manner that will allow accumulation of high vapor concentrations. However, for controlled industrial uses when this product is used in confined spaces, heated above ambient temperatures or agitated, the use of explosion proof ventilation equipment is necessary.
Protective Gloves:	Wear impermeable gloves.
Eye Protection:	Chemical safety goggles. Eye wash and quick-drench shower facilities should be available in the work area.
Other Protective Equipment:	Impervious clothing or boots, if needed.

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. Minimize exposure to air. Do not allow to evaporate to near dryness. Distill with caution. If peroxide formation is suspected, do not open or move container. Addition of water or appropriate reducing material will lessen peroxide formation. 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
Xylenes (Mixed Isomers)	1330-20-7	37.5-45.0%
Ethyl Benzene	100-41-4	5.0-12.5%
n-Butyl Alcohol	71-36-3	10.0%
2-Butoxy ethanol	111-76-2	18.0%

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

Common Names: Xylol, Dimethyl Benzene

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. land transportation in packages of 119 gallons or less)

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

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

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

U.S. D.O.T. Hazardous Substance: Xylenes (mixed) RQ 100 lbs.
Ethyl Benzene RQ 1000 lbs.

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