

SECTION 5: REACTIVITY DATA (CON'T)

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong oxidizing and reducing agents, strong acids and bases, peroxides, and amines. Electrical grounding is not recommended.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon and nitrogen, TDI, hydrogen cyanide, and various hydrocarbons from incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur when handled per instructions.

SECTION 6: HEALTH HAZARD DATA

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INHALATION: Vapors can be irritating to nose and mucous membranes. Exposures may result tightness or burning in chest, coughing, headaches, and fatigue. Respiratory sensitivty may result in asthma-like symptoms and on subsequent exposure to TLV.

LC (50) Inhalation: CASRN 26471-62-5 9700 ppb/4 Hrs. Mouse
64742-95-6 3670 ppm/8 Hrs. Rat

EYE: Contact can cause severe irritation, redness, tearing, and blurred vision.

SKIN: Contact may cause moderate skin irritation. In some individuals exposure may result in allergic type symptoms causing rash, itching, and hives.

SKIN ABSORPTION: No known information available.

INGESTION: Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and headache.

LD (50) Oral: CASRN 26471-62-5 4130 mg/kg Rat
64742-95-6 4700 mg/kg Rat

HEALTH HAZARDS (CHRONIC): Materials are not known mutagenic, teratogenic, reproductive health hazards. One scientific study of workers reported that exposure to isocyanates type chemicals resulted in larger declines in lung function compared to other workers.

CARCINOGENICITY:

NTP CARCINOGEN: Yes **IARC MONOGRAPHS:** Yes **OSHA REGULATED:** Yes
TDI was listed as potential animal carcinogenic by NTP and IARC. National toxicology Program study reported increased tumors in rats and mice via TDI exposure through a tube into stomach (oral gavage technique); lifetime inhalation studies on animals were negative regarding carcinogenicity.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water, lifting upper and lower lids occasionally for 15 minutes. Get medical attention.

SKIN: Wipe off, wash skin with soap and water. Get medical attention if irritation persists.

INGESTION: Do not induce vomiting; Give large amounts of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Do not give anything by mouth to an unconscious person.

INHALATION: Remove victim from exposure. If difficulty with breathing, administer oxygen. If unconscious, utilize artificial respiration and seek immediate medical assistance.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area, eliminate all ignition sources. Wear appropriate protective gear, contain leak or spill; cover spill with absorbent material; remove to container. Wash down area with dilute ammonium hydroxide or detergent solution, allow 10 minutes to react.

WASTE DISPOSAL METHOD: Handle disposal of waste material in manner which complies with local, state, and federal regulations. Landfill if solidified, incineration or dispose at agency approved waste disposal facilities.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from sparks, heat, and open flames. Store in a dry, cool environment away from direct sunlight.

OTHER PRECAUTIONS: None.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: Provide adequate ventilation in confined areas and consult OSHA Regulation CFR 29 1910.134 for recommended respiratory protection. NIOSH/OSHA approved respiratory protection mandatory.

VENTILATION: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

PROTECTIVE GLOVES: Solvent resistant rubber gloves.

EYE PROTECTION: Safety goggles and/or face shield. Do NOT wear contact lenses when working with this material.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Clean protective clothing, (coveralls, boots, caps, etc.)

WORK/HYGIENIC PRACTICES: Wash thoroughly with soap and water after use and before eating, smoking, or using the restroom.

SECTION 9: REGULATORY INFORMATION

SARA TITLE III SECTION 302: CASRN 26471-62-5 RQ:
100 lbs.

SARA TITLE III SECTION 311/312: Health hazard: Immediate
Delayed
Physical hazard: Reactive

SARA TITLE III SECTION 313: Unless shown below, this product does not contain the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent by Weight
26471-62-5	Toluene Diisocyanate	<1%

PROP 65 (CARCINOGEN): Unless shown below, this product does not contain chemicals known to the state of California to cause cancer.

CAS #	Chemical Name	Percent by Weight
26471-62-5	Toluene Diisocyanate	<1%

PROP 65 (TERATOGENIC): Unless shown below, this product does not contain chemicals known to the state of California to cause birth defects or other reproductive harm.

CAS #	Chemical Name	Percent by Weight
26471-62-5	Toluene Diisocyanate	<1%

SECTION 9: REGULATORY INFORMATION (CON'T)

PROP 65 (CARCINOGENIC & TERATOGENIC): Unless shown below, this product does not contain chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

CAS #	Chemical Name	Percent by Weight
26471-62-5	Touluene Diisocanate	<1%

HAZARDOUS WASTE INFORMATION: Unless shown below, this product is not a hazardous waste according to definitions found in CFR-40.

STATE OF MICHIGAN CRITICAL MATERIALS: Unless shown below, this product does not contain ingredients appearing on the State of Michigan Critical Materials List.

CAS #	Chemical Name	Percent by Weight
	None	

D. O. T. PROPER SHIPPING NAME:	Synthetic Resin Liquid
PROPER SHIPPING NAME:	Synthetic Resin Liquid
HAZARD CLASS:	NA
UN/NA ID NUMBER:	NA
PACKING GROUP:	NA

SECTION 10: DISCLAIMER

Data and recommendations presented herein are based upon our and other researchers and are believed to be accurate. The products discussed are distributed without warranty (expressed or implied) and the customer shall make his own determination of suitability for his particular purpose.