



MATERIAL SAFETY DATA SHEET

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TRAILER SEALANT PART NOS. 49390, 49391, 49392

SECTION I – IDENTIFICATION DATA

Product Name : Dynatex Trailer Sealant
Chemical Family : Polyurethane Sealant

SECTION II – HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS #</u>	<u>TLV UNITS*</u>	<u>% BY WEIGHT</u>
4,4'-Diphenylmethane Diisocyanate (Calculated) MDI	*101-68-8	0.055 mg/M3	0.7%
Titanium Dioxide	13463-67-7	10 mg/M3	3.5%
Calcium Carbonate	1317-65-3	5 mg/M3	25.2%
Xylene Xylol	*1330-20-7	100ppm	5.0%
Ethyl Benzene	*100-41-4	100ppm	1.1%

*NUMBERS SHOWN REPRESENT THE LOWER OF THE U.S. OSHA PEL OR ACGIH TLV VALUES COMMON OR TRADE NAMES ARE SHOWN ON THE LINE UNDER THE CHEMICAL NAME.

SECTION III – PHYSICAL DATA

Vapor Pressure (MM HG) : 10
Boiling Point (°F) : 277 to 286
Vapor Density (Air=1) : 3.69
Solubility in Water : 0.0%
Evaporation Rate : Not Available
Specific Gravity : 1.35
11.29 Pounds Per Gallon
% Volatile by Weight : 6.1
Volume : 9.4
Appearance and Odor : A thick colored paste with a solvent odor

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) : 119°F (Closed Cup)
Lower Explosive Limit : 1.08% (Calculated)
Upper Explosive Limit : 6.95% (Calculated)
Autoignition Point (Vapors) : 955°F (Calculated)

Autoignition Point (Solids)	: Not Available
Special Firefighting Procedures and Unusual Fire and Explosion Hazards	: Use self-contained breathing apparatus, protective clothing, foams with water.
Extinguishing Media	: Water Spray, foam, dry chemical, carbon dioxide.

SECTION V – HEALTH HAZARD DATA

THE INFORMATION SHOWN BELOW REFERS GENERALLY TO A COMPONENT OF THE PRODUCT BUT AS REQUIRED BY OSHA 1910.1200 THE HAZARDS OF ANY INGREDIENT MUST BE EXTENDED TO THE PRODUCT AS A WHOLE UNLESS TESTING OF THE PRODUCT HAS BEEN PERFORMED. THE U.S. AMERICAN NATIONAL STANDARD (ANSI) Z129.1-1982 WAS USED AS A GUIDE WHEN THIS MSDS WAS WRITTEN.

Ingestion	: No hazard known at this time.
Absorption	: No hazard known at this time.
Inhalation	: Hazardous if inhaled.

IMPORTANT NOTE:

IN ANIMAL TESTING ON ALBINO RATS, MDI AEROSOL PARTICLES SMALL ENOUGH TO BE INHALED ARE RATED HIGHLY TOXIC ACCORDING TO OSHA CRITERIA. HOWEVER, THE POLYURETHANE DIVISION OF THE SOCIETY OF THE PLASTICS INDUSTRY, INC. HAS PETITIONED DOT TO DECLASSIFY MDI WHICH HAS BEEN RATED A DOT POISON. IN THEIR PETITION SPI STATES:

“...EVEN IN A LABORATORY SETTING, IT IS VERY DIFFICULT TO CREATE A RESPIRABLE AEROSOL ATMOSPHERE OF MDI CAPABLE OF CAUSING BIOLOGICAL HARM BECAUSE OF MDI’S VERY LOW VAPOR PRESSURE AND HIGH VISCOSITY WHEN IN LIQUID FORM.”

LABORATORY TESTING HAS BEEN THAT SIMULATED THE USE OF OUR SEALANTS AND ADHESIVE PRODUCTS. WHEN THE TRADITIONAL METHODS OF APPLICATION, CAULKING TUBES, TROWEL, SPATULA, ETC. ARE USED, THE OPPORTUNITY FOR AEROSOL FORMATION IS ESSENTIALLY NONEXISTANT. IN TESTS ON OUR SEALANT PRODUCTS, THE ACGIH TLV OF 5 PARTS PER BILLION FOR MDI WAS NOT EXCEEDED EVEN IN THE AIR IMMEDIATELY ADJACENT TO MULTIPLE EXTRUDED BEADS OF SEALANT. WHERE LARGE AREAS OF SEALANT OR ADHESIVE TYPE PRODUCTS ARE APPLIED, DYNATEX DOES RECOMMEND THAT ADEQUATE VENTILATION BE USED TO BE SURE THAT THE ACGIH TLV OF NEITHER THE MDI NOR ANY OTHER HAZARDOUS CONSTITUENT IS EXCEEDED IN THE WORK AREA.

Contact	: Ingredient causes eye and/or skin irritation.
Corrosion	: No hazard known at this time.
Flammability	: Combustible liquid, flash point >100°F

FIRST AID:

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| Inhalation | : If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician. |
| Contact | : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. |

IN CASE OF FIRE, USE EXTINGUISHING AGENTS RECOMMENDED.

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| Symptoms of Overexposure | : Irritation, sore throat, breathlessness, chest pain, coughing, sensitizer, nausea. |
| Medical Conditions Aggravated by Exposure | : Bronchial hyperactivity, asthma. |
| Entry Route | : Contact, inhalation. |
| Chronic Effects | : Long term overexposure to the hazardous materials in this product has been associated with asthma, lung impairment, possible respiratory sensitization. |
| Target Organs | : Eyes, respiratory system, lung. |

NONE OF THE INGREDIENTS IN THE PRODUCT EXCEEDING A CONCENTRATION LIMIT OF 0.1% ARE ON THE IARC, NTP OR OSHA LISTS OF CARCINOGENIC HAZARDS.

SECTION VI – REACTIVITY DATA

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| Stability | : Stable |
| Materials to Avoid | : Alkalis, acids, alcohols, detergents, water. |
| Hazardous Decomposition Products | : Unknown due to the complex nature of this material. Fumes from complete or incomplete combustion of this material may include carbon dioxide, carbon monoxide, water vapor, oxides of nitrogen or a wide variety of innocuous or toxic fumes. Aldehydes, hydrogen chloride, traces of hydrogen cyanide may also be produced. |
| Hazardous Polymerization | : Can occur with moisture and other isocyanate reactants. |

SECTION VII – SPILL OR LEAK PROCEDURES

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| Steps to be Taken When Material is Spilled or Released | : Sweep up material using sweeping compound and package the solid products in steel drums which are in good condition. Thoroughly clean area where spill occurred. |
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Waste Disposal Method : Dispose of in accordance with Federal, State and Local rules. Be aware that state and local requirements may differ widely depending on location and may in many cases be different from federal rules. This product, if unaltered or mixed with any other materials, contains the following contaminants listed in 40CFR Part 261.24, toxicity characteristic that exceed maximum allowable concentrations and therefore is a hazardous waste with the EPA D___ number(s) shown below.

D043 Vinyl Chloride 1ppm

IF THE PRODUCT HAS BEEN ALTERED, PARTICULARLY TO THE POINT WHERE FILTERABLE SOLIDS ARE PRESENT AT OVER A 0.5% LEVEL, CLASSIFICATION IS A COMPLEX ISSUE AND DEPENDS ON THE LEVEL OF CONTAMINANTS IN THE LIQUID PORTION COMBINED WITH AN EXTRACT OF THE SOLID PORTION. YOUR HAZARDOUS WASTE REMOVAL CONTRACTOR WILL BE ABLE TO ASSIST YOU IN THIS CASE. IT IS ALSO A D001 CHARACTERISTIC IGNITABLE WASTE.

SECTION VIII – SPECIAL PROTECTION INFORMATION

Ventilation : Local Exhaust is preferred to keep vapors/particulates below the TLV value. Mechanical areawide ventilation is acceptable.

Protective Gloves : Neoprene rubber, nitrile, impervious plastic.

Eye Protection : Safety glasses are recommended.

Other Protection : Safety shower and eye bath.

SECTION IX – SPECIAL PRECAUTIONS

Precautions for Handling and Storing : Store in a cool location (60⁰F – 80⁰F) away from sunlight and any source of heat, sparks or flame. Keep container tightly closed when not being used.

Other Precautions : Use with adequate ventilation, avoid prolonged or repeated breathing of vapors. Avoid skin contact. Use in area free from flame and sparks.

SECTION X – REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65: INGREDIENTS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:

DI (2-ETHYLHEXYL) PHTHALATE (117-81-7)
VINYL CHLORIDE (75-01-4)

**INGREDIENTS KNOWN TO THE STATE OF CALIFORNIA TO BE REPRODUCTIVE
TOXINS: NONE**

The Information Contained Herein is Based on Data Considered Accurate. However, No Warranty is Expressed or Implied Regarding the Accuracy of the Data or the Results to be obtained from the use Thereof. Because the Information Contained herein may be applied Under Conditions beyond Our Control, We Assume No Responsibility for Its Use.

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