

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **LORD 7542A**
 Product Use/Class: **STRUCTURAL URETHANE**

LORD CORPORATION
CHEMICAL PRODUCTS DIVISION
2000 WEST GRANDVIEW BLVD
ERIE, PA 16514

INFORMATION TELEPHONE: 814 868-3611

TRANSPORTATION EMERGENCY
CALL CHEMTREC: 800 424-9300

NON-TRANSPORTATION EMERGENCY:
814 763-2345

EFFECTIVE DATE: 03/31/2003

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL- TWA	OSHA PEL- CEILING	Skin
4,4'-Diphenylmethane diisocyanate	101-68-8	10.0000	0.005 ppm	N.E.	N.E.	0.2 mg/m ³ 0.02 ppm	N.A.
Diphenylmethane diisocyanate	26447-40-5	20.0000	N.E.	N.E.	N.E.	N.E.	N.A.
Aromatic polyisocyanate	PROPRIETARY	15.0000	N.E.	N.E.	N.E.	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW ***:** Tan Viscous Liquid, with No odor. Harmful if inhaled. May cause allergic skin reaction. May cause allergic respiratory reaction. Causes skin and eye irritation. Causes respiratory tract irritation.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin sensitization. May cause dermatitis. Causes skin irritation. Animal tests have indicated that respiratory sensitization can result from skin contact with 4,4'-Diphenylmethane diisocyanate.

EFFECTS OF OVEREXPOSURE - INHALATION: Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. Allergic conditions can occur in certain individuals with high sensitivity to isocyanates; this may result in asthma-like symptoms. May cause respiratory sensitization. May cause lung damage.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: May cause long-term lung damage. Chronic skin contact may cause dermatitis.

PRIMARY ROUTE(S) OF ENTRY:

4. FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	N.A.	VAPOR DENSITY:	Heavier than Air
APPEARANCE:	Tan	EVAPORATION RATE:	Not Applicable
PHYSICAL STATE:	Viscous Liquid	DENSITY, LB/GL:	11.9 lb/gal
ODOR:	No	SPECIFIC GRAVITY:	1.43 g/cm ³
SOLUBILITY IN H₂O:	Insoluble	pH:	N.A.
FREEZE POINT:	N.D.	ODOR THRESHOLD:	N.D.
VOLATILE BY WEIGHT:	0.00 %	VOLATILE BY VOLUME:	0.00 %
VAPOR PRESSURE:	N.D.		
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.D.		

(See section 16 for abbreviation legend)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Monomeric isocyanate, traces of hydrogen cyanide, nitrogen dioxide. Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

PRODUCT LD50	(ORAL)	No Data
	(DERMAL)	No Data
PRODUCT LC50		No Data

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

This product is NOT REGULATED for non-bulk road shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **LORD 7542B**
 Product Use/Class: **URETHANE ADHESIVE, PART 2 OF 2**

LORD CORPORATION
CHEMICAL PRODUCTS DIVISION
2000 WEST GRANDVIEW BLVD
ERIE, PA 16514

INFORMATION TELEPHONE: 814 868-3611

TRANSPORTATION EMERGENCY
CALL CHEMTREC: 800 424-9300

NON-TRANSPORTATION EMERGENCY:
814 763-2345

EFFECTIVE DATE: 03/31/2003

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>	<u>ACGIH TLV- TWA</u>	<u>ACGIH TLV- STEL</u>	<u>OSHA PEL- TWA</u>	<u>OSHA PEL- CEILING</u>	<u>Skin</u>
Piperazine	110-85-0	5.0000	N.E.	N.E.	N.E.	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

3. HAZARDS IDENTIFICATION

*** **EMERGENCY OVERVIEW** ***: Off-white Viscous Liquid, with No odor. May cause skin and eye irritation. May cause allergic skin reaction. May cause respiratory tract irritation.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May be corrosive to eyes; contact may cause eye burns.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin sensitization. May cause allergic skin reaction. May cause dermatitis. A skin corrosivity study performed on this product or a similar product concludes that it is not corrosive to skin.

EFFECTS OF OVEREXPOSURE - INHALATION: May cause respiratory tract irritation. May cause respiratory sensitization. May cause allergic respiratory reaction.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: May cause respiratory sensitization. Extremely high vapor concentrations may cause lung damage. Chronic skin contact may cause dermatitis.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Contact

4. FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

BOILING RANGE:	290 °F - 290 °F	VAPOR DENSITY:	Heavier than Air
APPEARANCE:	Off-white	EVAPORATION RATE:	Not Applicable
PHYSICAL STATE:	Viscous Liquid	DENSITY, LB/GL:	10.45 lb/gal
ODOR:	No	SPECIFIC GRAVITY:	1.26 g/cm ³
SOLUBILITY IN H₂O:	Insoluble	pH:	N.A.
FREEZE POINT:	N.D.	ODOR THRESHOLD:	N.D.
VOLATILE BY WEIGHT:	0.00 %	VOLATILE BY VOLUME:	0.73 %
VAPOR PRESSURE:	N.D.		
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.D.		

(See section 16 for abbreviation legend)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, organic or inorganic nitrogen compounds including traces of hydrogen cyanide.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

PRODUCT LD50	(ORAL)	No Data
	(DERMAL)	No Data
PRODUCT LC50		No Data

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

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15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

This product is considered hazardous as defined by 29 CFR 1910.1200 (OSHA HazCom Standard.)

SARA SECTION 313: