

JUN 05 2001



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CHEMGLAZE V426

Product Use/Class: MOISTURE CURE URETHANE COATING

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: 12/13/1999

SUPERCEDES DATE: 07/08/1999

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL- TWA	OSHA PEL- CEILING	Units	Skin
1-Methoxy-2-propyl acetate	108-65-6	20 %	N.E.	N.E.	N.E.	N.E.		
Xylene	1330-20-7	20 %	100	150	100	N.E.	ppm	
Toluene	108-88-3	10 %	50	N.E.	200	300	ppm	S
Methyl isobutyl ketone	108-10-1	5.0 %	50	75	100	N.E.	ppm	
Ethyl benzene	100-41-4	5.0 %	100	125	100	N.E.	ppm	
Dipropylene glycol methyletheracetate	88917-22-0	4.0 %	N.E.	N.E.	N.E.	N.E.		
Isophorone diisocyanate	4098-71-9	1.0 %	.005	.02	N.E.	N.E.	ppm	
Methylene bis (4-cyclohexylisocyanate)	5124-30-1	1.0 %	.005	N.E.	N.E.	N.E.	ppm	

N.E. - Not Established, S - Skin Designation, C - Ceiling

## SECTION 3 - HAZARDS IDENTIFICATION

\*\*\* EMERGENCY OVERVIEW \*\*\*: Gray Liquid, with Solvent odor. Flammable liquid and vapor. Harmful if absorbed through skin. May cause allergic skin reaction. May cause allergic respiratory reaction. Vapor harmful; may affect the brain or nervous system causing dizziness, headache or nausea. Causes skin and eye irritation. Causes respiratory tract irritation.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May be absorbed through the skin in harmful amounts. May cause skin sensitization. May cause dermatitis. Causes skin irritation.

**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 central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. 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 liver or kidney damage. Repeated or prolonged solvent overexposure may result in permanent central nervous system damage. May cause long-term lung damage. May affect the gastrointestinal system. May affect the blood and blood-forming organs. Chronic skin contact may cause dermatitis. Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding for humans is uncertain.

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

## SECTION 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.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. Give victim one or two glasses of water or milk. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious person.

## SECTION 5 - FIRE FIGHTING MEASURES

**FLASH POINT:** 68F, 20C  
(Setaflash Closed Cup)

**LOWER EXPLOSIVE LIMIT (%):** 1.00  
**UPPER EXPLOSIVE LIMIT (%):** 13.10

**AUTOIGNITION TEMPERATURE:** N.D.

**OSHA FLAMMABILITY CLASSIFICATION:** FLAMMABLE LIQUID - CLASS IB

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Flammable liquid and vapor. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Keep non-essential personnel a safe distance away from the spill area. Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Use self-contained breathing equipment. Notify appropriate authorities if necessary. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the MSDS form.

## SECTION 7 - HANDLING AND STORAGE

**HANDLING:** Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

**STORAGE:** Do not store or use near heat, sparks, or open flame. Refer to OSHA 29CFR Part 1910.106 "Flammable and Combustible Liquids" for specific storage requirements. Store only in well-ventilated areas. Do not puncture, drag, or slide container. Keep container closed when not in use.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

**RESPIRATORY PROTECTION:** This product contains isocyanates which have poor odor warning properties. If occupational exposure limits are exceeded, a NIOSH/MSHA approved supplied-air respirator is required. Observe OSHA regulations (29CFR 1910.134) for respirator use.

**SKIN PROTECTION:** Use neoprene, nitrile, or rubber gloves to prevent skin contact.

**EYE PROTECTION:** Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

**OTHER PROTECTIVE EQUIPMENT:** Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse. When spray-applying this material and exposure to overspray may occur, impervious protective clothing, including head covering and faceshield, gloves, and overshoes are recommended.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING RANGE:</b>	232 - 392 F	<b>VAPOR DENSITY:</b>	Heavier than Air
<b>APPEARANCE:</b>	Gray	<b>EVAPORATION RATE:</b>	Slower than Ether
<b>PHYSICAL STATE:</b>	Liquid	<b>DENSITY, LB/GL:</b>	8.70
<b>ODOR:</b>	Solvent	<b>SPECIFIC GRAVITY:</b>	1.05
<b>SOLUBILITY IN H<sub>2</sub>O:</b>	Insoluble	<b>pH:</b>	N.A.
<b>FREEZE POINT:</b>	N.D.	<b>ODOR THRESHOLD:</b>	N.D.
<b>VOLATILE BY WEIGHT:</b>	62.0%	<b>VOLATILE BY VOLUME:</b>	72.4%
<b>VAPOR PRESSURE:</b>	N.D.		
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	N.D.		

(See section 16 for abbreviation legend)

## SECTION 10 - STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperatures. Sources of ignition.

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.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

## SECTION 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.

## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: PAINT  
 DOT HAZARD CLASS: 3  
 DOT UN/NA NUMBER: UN1263  
 PACKING GROUP: II  
 EMERGENCY RESPONSE GUIDE NUMBER: 127

## SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

CHEMICAL NAME	CAS NUMBER	WT % IS LESS THAN
Xylene	1330-20-7	20 %
Toluene	108-88-3	10 %
Methyl isobutyl ketone	108-10-1	5.0 %
Ethyl benzene	100-41-4	5.0 %
Isophorone diisocyanate	4098-71-9	1.0 %
Methylene bis (4-cyclohexylisocyanate)	5124-30-1	1.0 %

TOXIC SUBSTANCES CONTROL ACT:

**INVENTORY STATUS**

The chemical substances in this product are on the TSCA Section 8 Inventory.

**EXPORT NOTIFICATION**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Methyl isobutyl ketone	108-10-1
Isopropanol	67-63-0

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: No Information

<b>SECTION 16 - OTHER INFORMATION</b>
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HMIS RATINGS - HEALTH: 2\*      FLAMMABILITY: 3      REACTIVITY: 0

\* - Indicates a chronic hazard; see Section 3

REASON FOR REVISION: Computer System Upgrade

VOLATILE ORGANIC COMPOUNDS (Calculated) : 5.39 lbs/gal, 646 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

9901V4260R

<b>DISCLAIMER</b>
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