

## **MATERIAL SAFETY DATA SHEET**

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### **Chemical Product and Company Identification**

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LABEL IDENTIFIER: Adhesive, Chemlok 607

PRODUCT IDENTIFIER: P/N 305056 Adhesive, Chemlok 607

COMPANY IDENTIFICATION: MINE SAFETY APPLIANCES COMPANY  
1100 Cranberry Woods Drive  
Cranberry Township, PA 16066  
CUSTOMER SERVICE: 1-800-MSA-2222 (8:30 a.m. – 5:00 p.m., USA local time)  
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

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### **Vendor Information**

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**A Material Safety Data Sheet as furnished by the Lord Corporation for Adhesive, Chemlox 607 is attached (6 Pages).**

Lord Corporation MSDS REVISION DATE: 2/28/96

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### **Other Information**

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WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using, or storing this product.

**MATERIAL SAFETY DATA SHEET****SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME : CHEMLOK 607  
PRODUCT USE/CLASS : ADHESIVE

DATE PRINTED: 02/02/99

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

EMERGENCY TELEPHONE: 814 763-2345  
24 HOURS A DAY

INFORMATION TELEPHONE : 814 868-3611

PREPARE DATE: 02/28/96

PREVIOUS MSDS REVISION DATE: 02/09/96

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Wt % Less Than	Exposure Guidelines					
			ACGIH		OSHA		Units	Skin
			TWA	STEL	TWA	Ceil		
Ethyl alcohol	64-17-5	3.0%	1000	N.E.	1000	N.E.	ppm	
Methanol	67-56-1	80%	200	250	200	N.E.	ppm	S

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

**SECTION 3 - HAZARDS IDENTIFICATION**

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

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation.

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

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. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. May cause headache and nausea.

EFFECTS OF OVEREXPOSURE - INGESTION: Ingestion is not an expected route of entry in industrial or commercial uses. Contains methanol; may be harmful  
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### SECTION 3 - HAZARDS IDENTIFICATION

or fatal if swallowed; ingestion of methanol may cause blindness or permanent eye damage. Cannot be made non-poisonous.

**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 affect the gastrointestinal system. This material contains a small amount of methanol. Ingestion of methanol may cause permanent eye damage or blindness. Chronic skin contact may cause dermatitis.

**PRIMARY ROUTE(S) OF ENTRY:** INHALATION SKIN CONTACT SKIN ABSORPTION  
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, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### SECTION 5 - FIRE FIGHTING MEASURES

**FLASH POINT:** 49F, 9C  
(SETAFLASH CLOSED CUP)

**LOWER EXPLOSIVE LIMIT:** 4.3 %  
**UPPER EXPLOSIVE LIMIT:** 36.5 %

**AUTOIGNITION TEMPERATURE:** N.D.

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

**EXTINGUISHING MEDIA:** CO2 DRY CHEMICAL WATER FOG FOAM

**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.

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#### SECTION 5 - FIRE FIGHTING MEASURES

**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. Cannot be made non-poisonous. 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:** Use a NIOSH/MSHA approved chemical/mechanical filter respirator designed to remove a combination of particulates and

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. 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.

**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>	: 148 - 212 F	<b>VAPOR DENSITY</b>	: Is heavier than air
<b>APPEARANCE</b>	: Yellow	<b>ODOR THRESHOLD</b>	: N.D.
<b>PHYSICAL STATE</b>	: Liquid	<b>EVAPORATION RATE</b>	: Is slower than Ether
<b>ODOR</b>	: Solvent	<b>DENSITY, LB/GAL</b>	: 6.93
<b>SOLUBILITY IN H2O</b>	: Insoluble	<b>SPECIFIC GRAVITY</b>	: 0.83
<b>FREEZE POINT</b>	: N.D.	<b>pH</b>	: N.A.
<b>VOLATILE BY WEIGHT</b>	: 88.6 %	<b>VOLATILE BY VOL</b>	: 91.2 %
<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:** Strong acids, bases, and strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of nitrogen. Carbon monoxide, carbon dioxide. Oxides of silicon.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

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**SECTION 11 - TOXICOLOGICAL PROPERTIES**

No product toxicological information is available.

**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:** ADHESIVE

**DOT HAZARD CLASS:** 3

**EMERGENCY RESPONSE GUIDE NUMBER:** 127

**DOT UN/NA NUMBER:** UN1133

**PACKING GROUP**

**: II**

**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 Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT % IS LESS THAN
Methanol	67-56-1	80%

**TOXIC SUBSTANCES CONTROL ACT:**

**INVENTORY STATUS**

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

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**SECTION 15 - REGULATORY INFORMATION**

**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

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

**CANADIAN WHMIS CLASS:** No information available.

**SECTION 16 - OTHER INFORMATION**

**HMIS RATINGS - HEALTH:** 2\*      **FLAMMABILITY:** 3      **REACTIVITY:** 0

\* - Indicates a chronic hazard; see Section 3

**REASON FOR REVISION:** Update Section 10-Hazardous Decomposition product

**VOLATILE ORGANIC COMPOUNDS (Calculated)** : 5.98 lbs/gal, 716 grams/ltr

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

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The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

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<END OF MSDS>

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