LORD

WHMIS MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **AEROGLAZE 9947B**
Product Use/Class: **WASH PRIMER, PART B**

LORD Corporation
111 LORD Drive
Cary, NC 27511-7923

Telephone: 814 868-3180
Non-Transportation Emergency: 814 763-2345
Chemtrec 24 Hr Transportation Emergency No.
800 424-9300 (Outside Continental U.S. 703 527-3887)

Prepared By Regulatory Compliance Dept.: Telephone: 814 868-3180

EFFECTIVE DATE: 07/23/2015

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Range	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	Skin
Ester solvent	108-65-6	65 - 70 %	N.E.	N.E.	N.E.	N.E.	N.A.
Ester solvent	88917-22-0	10 - 15 %	N.E.	N.E.	N.E.	N.E.	N.A.
Secondary butanol	78-92-2	5 - 10 %	100 ppm	N.E.	450 mg/m3 150 ppm	N.E.	N.A.
Ethyl alcohol	64-17-5	5 - 10 %	N.E.	1,000 ppm	1,900 mg/m3 1,000 ppm	N.E.	N.A.
Phosphoric acid	7664-38-2	1 - 5 %	1 mg/m3	3 mg/m3	1 mg/m3	N.E.	N.A.
Methyl isobutyl ketone	108-10-1	0.1 - 0.9 %	50 ppm	75 ppm	410 mg/m3 100 ppm	N.E.	N.A.

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

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW ***:** Clear liquid, with Solvent odor. Flammable liquid and vapor. May cause skin and eye burns. 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 be corrosive to eyes; contact may cause eye burns.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May be corrosive to skin; contact may cause skin burns. 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.

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. Prolonged or repeated contact may result in dermatitis. IARC has designated Methyl isobutyl ketone to be in Group 2B - possibly carcinogenic to humans. ACGIH considers Ethyl alcohol to be an A3 carcinogen (confirmed animal carcinogen with unknown relevance in humans).

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

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIRE-FIGHTING MEASURES

FLASH POINT: 69 °F, 20 °C
Setaflash Closed Cup

LOWER EXPLOSIVE LIMIT (%): 1.3 %(V)
UPPER EXPLOSIVE LIMIT (%): 19 %(V)

AUTOIGNITION TEMPERATURE: N.D.

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. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

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.

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 SDS form.

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.

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 approved chemical/mechanical filter respirator designed to remove a combination of particulates and 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR:	Solvent	**BOILING RANGE:**	78 - 200 °C
APPEARANCE:	Clear	**VAPOR PRESSURE:**	N.D.
PHYSICAL STATE:	Liquid	**VAPOR DENSITY:**	Heavier than Air
ODOR THRESHOLD:	N.D.	**EVAPORATION RATE:**	Slower than n-butyl-acetate
SOLUBILITY IN H2O:	Insoluble	**DENSITY, LB/GL:**	7.82 lb/gal
pH:	N.A.	**VOLATILE BY WEIGHT:**	98.26 %
FREEZE POINT:	N.D.	**VOLATILE BY VOLUME:**	99.00 %
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.D.		

(See section 16 for abbreviation legend)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperatures. Sources of ignition.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, Corrosive acid vapors

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

COMPONENT TOXICOLOGICAL INFORMATION

Chemical Name	LD50	LC50	LD50 (Dermal)
Ester solvent	8532 mg/kg rat	No Information	> 5 gm/kg rabbit
Ester solvent	No Information	No Information	No Information
Secondary butanol	2193 mg/kg rat	No Information	> 2000 gm/kg rat
Ethyl alcohol	7060 mg/kg rat	20000 ppm 10 h rat	20 gm/kg rabbit
Phosphoric acid	1530 mg/kg rat	> 850 mg/m3 1 h rat	2740 mg/kg rabbit
Methyl isobutyl ketone	2080 mg/kg rat	23300 mg/m3 mouse	> 20 ml/kg rabbit

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

14. TRANSPORT INFORMATION

US DOT Road

DOT Proper Shipping Name:	Paint
DOT Hazard Class:	3
SECONDARY HAZARD:	None
DOT UN/NA Number:	1263
Packing Group:	II
Emergency Response Guide Number:	128

IATA Cargo

PROPER SHIPPING NAME:	Paint
DOT Hazard Class:	3
HAZARD CLASS:	None
UN-NUMBER:	1263
PACKING GROUP:	II
EMS:	3L

IMDG

PROPER SHIPPING NAME:	Paint
DOT Hazard Class:	3
HAZARD CLASS:	None
UN-NUMBER:	1263
PACKING GROUP:	II
EMS:	F-E

The listed transportation classification applies to US DOT Road, IATA Cargo, and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CEPA STATUS: All components of this product are on the Canadian DSL list.

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

CANADIAN WHMIS CLASS: B2, D2B, E

16. OTHER INFORMATION

HMIS RATINGS - HEALTH: 2* FLAMMABILITY: 3 PHYSICAL HAZARD: 0

* - Indicates a chronic hazard; see Section 3

VOLATILE ORGANIC COMPOUNDS
Calculated: 7.68 lb/gal, 921 g/l

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

DISCLAIMER

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