

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product name: **LORD 975-1052 B**  
Product Use/Class: **Encapsulant, Part 2 of 2**

LORD Corporation  
111 LORD Drive  
Cary, NC 27511-7923 USA

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)



**EFFECTIVE DATE:** 07/20/2020

**2. HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**

Acute toxicity Oral Category 4 - 62.6% of the mixture consists of ingredient(s) of unknown toxicity.  
Acute toxicity Inhalation - Dust and Mist Category 4 - 94.4% of the mixture consists of ingredient(s) of unknown toxicity.  
Skin corrosion/irritation Category 1  
Serious eye damage/eye irritation Category 1  
Skin sensitization Category 1  
Reproductive toxicity Category 2  
Specific target organ systemic toxicity (single exposure) Category 3  
Specific target organ systemic toxicity (repeated exposure) Category 2 Liver  
Specific target organ systemic toxicity (repeated exposure) Category 1 Respiratory system, Immune system, Kidney  
Hazardous to the aquatic environment - acute hazard Category 2  
Hazardous to the aquatic environment - chronic hazard Category 2

**GHS LABEL ELEMENTS:**

Symbol(s)



**Signal Word**

DANGER

**Hazard Statements**

Harmful if swallowed.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.(Liver)  
Causes damage to organs through prolonged or repeated exposure.(Respiratory system, Immune system, Kidney)  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

Wear protective gloves.  
 Use personal protective equipment as required.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Avoid release to the environment.

**Response**

Immediately call a POISON CENTER or doctor/physician.  
 Specific treatment (see supplemental first aid instructions on this label).  
 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 Wash contaminated clothing before reuse.  
 Collect spillage.

**Storage**

Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.

**Disposal:**

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

**Other Hazards:**

**This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).**

**Acute:** Dermal absorption possible. Eye contact may cause severe eye damage, including vision disturbances, corneal damage, and blindness. May be severely irritating to the nose, throat and respiratory tract. Symptoms of inhalation exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. May cause lung damage. This product contains an ingredient where aspiration into the lungs may occur during ingestion or vomiting causing tissue damage or lung injury. Overexposure to vapor may cause headache, dizziness, unconsciousness and/or breathing difficulty. May cause allergic respiratory reaction.

**Chronic:** Prolonged or repeated contact may result in dermatitis. Prolonged exposure to the silica-containing sanding dust of this product could cause long-term lung damage. Crystalline silica is classified by IARC and NTP as a known human carcinogen as a respirable dust. The silica in LORD products is not in a form that can be inhaled and presents no risk to the end user. No exposure is expected during normal use of this product. Sanding or abrading the cured materials is not recommended. Wear appropriate respiratory protection if exposure to dusts is possible.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Range
Crystalline silica	14808-60-7	45 - 50 %
4-Nonyl phenol	84852-15-3	15 - 20 %
Amido amine	PROPRIETARY	10 - 15 %
Amine compound	PROPRIETARY	5 - 10 %
Amine	PROPRIETARY	5 - 10 %
Ortho-nonylphenol	91672-41-2	1 - 5 %
Dinonylphenol	1323-65-5	1 - 5 %
Amine compound	PROPRIETARY	0.1 - 0.9 %
Aliphatic amine	PROPRIETARY	0.1 - 0.9 %

Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

#### 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

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

**UNSUITABLE EXTINGUISHING MEDIA:** Not determined for this product.

**SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL:** Keep containers tightly closed. 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 PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:** Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

#### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** Avoid contact. Avoid breathing vapors. Use self-contained breathing equipment.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

#### 7. HANDLING AND STORAGE

**HANDLING:** Keep closure tight and container upright to prevent leakage. 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.

**STORAGE:** Store only in well-ventilated areas. Keep container closed when not in use.

**INCOMPATIBILITY:** Strong acids, bases, and strong oxidizers.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### COMPONENT EXPOSURE LIMIT

<u>Chemical Name</u>	<u>ACGIH TLV- TWA</u>	<u>ACGIH TLV- STEL</u>	<u>OSHA PEL- TWA</u>	<u>OSHA PEL- CEILING</u>	<u>Skin</u>
Crystalline silica	0.05 mg/m3	N.E.	N.E.	N.E.	N.A.
4-Nonyl phenol	N.E.	N.E.	N.E.	N.E.	N.A.
Amido amine	N.E.	N.E.	N.E.	N.E.	N.A.
Amine compound	N.E.	N.E.	N.E.	N.E.	N.A.

Amine	N.E.	N.E.	N.E.	N.E.	N.A.
Ortho-nonylphenol	N.E.	N.E.	N.E.	N.E.	N.A.
Dinonylphenol	N.E.	N.E.	N.E.	N.E.	N.A.
Amine compound	N.E.	N.E.	N.E.	N.E.	N.A.
Aliphatic amine	N.E.	N.E.	N.E.	N.E.	N.A.

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

**Engineering controls:** Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

**PERSONAL PROTECTION MEASURES/EQUIPMENT:**

**RESPIRATORY PROTECTION:** Use a NIOSH approved air-purifying organic vapor respirator 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. For respirator use observe OSHA regulations (29CFR 1910.134) or use in accordance with applicable laws and regulations of your country or particular locality.

**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:** Remove and wash contaminated clothing before reuse.

**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**

Typical values, not to be used for specification purposes.

<b>ODOR:</b>	Ammonia	<b>VAPOR PRESSURE:</b>	N.D.
<b>APPEARANCE:</b>	Amber	<b>VAPOR DENSITY:</b>	Heavier than Air
<b>PHYSICAL STATE:</b>	Liquid	<b>LOWER EXPLOSIVE LIMIT:</b>	1.1 %(V)
<b>FLASH POINT:</b>	≥ 201 °F, 93 °C	<b>UPPER EXPLOSIVE LIMIT:</b>	6.4 %(V)
	Setaflash Closed Cup		
<b>BOILING RANGE:</b>	N.A.	<b>EVAPORATION RATE:</b>	Not Applicable
<b>AUTOIGNITION TEMPERATURE:</b>	N.D.	<b>DENSITY:</b>	1.4 g/cm <sup>3</sup> - 11.65 lb/gal
<b>DECOMPOSITION TEMPERATURE:</b>	N.D.	<b>VISCOSITY, DYNAMIC:</b>	N.D.
<b>ODOR THRESHOLD:</b>	N.D.	<b>VISCOSITY, KINEMATIC:</b>	N.D.
<b>SOLUBILITY IN H<sub>2</sub>O:</b>	Insoluble	<b>VOLATILE BY WEIGHT:</b>	0.21 %
<b>pH:</b>	N.A.	<b>VOLATILE BY VOLUME:</b>	0.30 %
<b>FREEZE POINT:</b>	N.D.	<b>VOC CALCULATED:</b>	0 lb/gal, 0 g/l
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	N.D.		

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

**10. STABILITY AND REACTIVITY**

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

**STABILITY:** Product is stable under normal storage conditions.

**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

## 11. TOXICOLOGICAL INFORMATION

**EXPOSURE PATH:** Refer to section 2 of this SDS.

**SYMPTOMS:** Refer to section 2 of this SDS.

**TOXICITY MEASURES:**

<b>Chemical Name</b>	<b>LD50/LC50</b>
Crystalline silica	N.D.
4-Nonyl phenol	Oral LD50: Rat 1,300 mg/kg Dermal LD50: Rabbit 2,000 mg/kg
Amido amine	N.D.
Amine compound	Oral LD50: Rat 2140 µL/kg Dermal LD50: Rabbit 880 µL/kg
Amine	Oral LD50: Rat 3,990 mg/kg Dermal LD50: Rabbit 660 µL/kg
Ortho-nonylphenol	N.D.
Dinonylphenol	N.D.
Amine compound	Oral LD50: Rat 2,500 mg/kg GHS LD50: Acute toxicity point estimate 1,100 mg/kg
Aliphatic amine	Oral LD50: Rat 1,600 mg/kg

**Germ cell mutagenicity:** No classification proposed

**Carcinogenicity:** No classification proposed

**Reproductive toxicity:** Category 2 - Suspected of damaging fertility or the unborn child.

Components contributing to classification: 4-Nonyl phenol. Ortho-nonylphenol.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:**

<b>Chemical Name</b>	<b>Ecotoxicity</b>
Crystalline silica	N.D.
4-Nonyl phenol	<u>Fish:</u> Pimephales promelas 0.135 mg/196 h flow-through Lepomis macrochirus 0.1351 mg/196 h flow-through <u>Invertebrates:</u> Daphnia magna 0.14 mg/148 h <u>Plants:</u> Pseudokirchneriella subcapitata 0.36 - 0.48 mg/196 h Static Pseudokirchneriella subcapitata 0.16 - 0.72 mg/172 h Static Desmodesmus subspicatus 1.3 mg/172 h
Amido amine	N.D.
Amine compound	<u>Fish:</u> Pimephales promelas 1,950 - 2,460 mg/196 h flow-through Poecilia reticulata > 1,000 mg/196 h semi-static Oncorhynchus mykiss >= 100 mg/196 h semi-static <u>Invertebrates:</u> Daphnia magna 32 mg/148 h <u>Plants:</u> Pseudokirchneriella subcapitata 495 mg/172 h
Amine	<u>Fish:</u> Poecilia reticulata 420 mg/196 h Static <u>Invertebrates:</u> Daphnia magna 24.1 mg/148 h <u>Plants:</u> Pseudokirchneriella subcapitata 2.1 mg/172 h
Ortho-nonylphenol	N.D.
Dinonylphenol	N.D.
Amine compound	<u>Fish:</u> Poecilia reticulata 570 mg/196 h semi-static Pimephales promelas 495 mg/196 h <u>Invertebrates:</u> Daphnia magna 31.1 mg/148 h <u>Plants:</u> Desmodesmus subspicatus 2.5 mg/172 h Pseudokirchneriella subcapitata 20 mg/172 h

	Pseudokirchneriella subcapitata 3.7 mg/196 h
Aliphatic amine	N.D.

**PERSISTENCE AND DEGRADABILITY:** Not determined for this product.

**BIOACCUMULATIVE:** Not determined for this product.

**MOBILITY IN SOIL:** Not determined for this product.

**OTHER ADVERSE EFFECTS:** Not determined for this product.

**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**

**US DOT Road**

**Proper Shipping Name:** Corrosive liquids, N.O.S.  
**Hazard Class:** 8  
**SECONDARY HAZARD:** None  
**UN/NA Number:** 1760  
**Packing Group:** III  
**Emergency Response Guide Number:** 154

**IATA Cargo**

**PROPER SHIPPING NAME:** Corrosive liquid, N.O.S.  
**Hazard Class:** 8  
**HAZARD CLASS:** None  
**UN NUMBER:** 1760  
**PACKING GROUP:** III  
**EMS:** 8L

**IMDG**

**PROPER SHIPPING NAME:** Corrosive liquid, N.O.S.  
**Hazard Class:** 8  
**HAZARD CLASS:** None  
**UN NUMBER:** 1760  
**PACKING GROUP:** III  
**EMS:** F-A

The listed transportation classification applies to 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**

**U.S. FEDERAL REGULATIONS: AS FOLLOWS:**

**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.:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>
4-Nonyl phenol	84852-15-3	20.0 %
Ortho-nonylphenol	91672-41-2	5.0 %

**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>
4-Nonyl phenol	84852-15-3
Ortho-nonylphenol	91672-41-2

<b>16. OTHER INFORMATION</b>
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Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

**HMIS RATINGS - HEALTH: 3\* FLAMMABILITY: 1 PHYSICAL HAZARD: 0**

\* - Indicates a chronic hazard; see Section 2

**Revision:** Company Logo

**Effective Date:** 07/20/2020

<b>DISCLAIMER</b>
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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.