



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LORD CA GEL  
Product Use/Class: ADHESIVE

INFORMATION TELEPHONE:  
814 868-3611

LORD CORPORATION  
111 LORD DRIVE  
CARY, NC 27512-8012

TRANSPORTATION EMERGENCY  
CALL CHEMTREC: 800 424-9300

NON-TRANSPORTATION EMERGENCY:  
814 763-2345

EFFECTIVE DATE: 11/03/2003

## 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
Ethyl cyanoacrylate	7085-85-0	85.0 %	0.2 ppm	N.E.	N.E.	N.E.	N.A.

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

## 3. HAZARDS IDENTIFICATION

\*\*\* EMERGENCY OVERVIEW \*\*\*: Clear Liquid, with Sharp, irritating odor. Combustible liquid and vapor. May cause skin and eye irritation. May cause respiratory tract irritation.

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

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin irritation. Cyanoacrylates bond skin rapidly and strongly. May cause dermatitis.

EFFECTS OF OVEREXPOSURE - INHALATION: Vapors may cause irritation of nose, throat, and upper respiratory tract.

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: No chronic or target organ effects are known.

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. Wash affected areas with soap and water. If skin is bonded, immerse in warm soapy water and separate by gentle rubbing action.

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.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** 181 °F, 82 °C  
Setaflash Closed Cup

**LOWER EXPLOSIVE LIMIT (%):** Not Applicable  
**UPPER EXPLOSIVE LIMIT (%):** Not Applicable

**AUTOIGNITION TEMPERATURE:** N.D.

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

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustible 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. **WARNING:** Contact with cotton or wool may result in a strong exothermic reaction which can cause burns or fire. 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). If water is used, fog nozzles are preferable.

## 6. ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Avoid breathing vapors. Avoid contact. Use appropriate respiratory protection for large spills or spills in confined area. Keep non-essential personnel away from spill area. Flood area with water to cure the adhesive and control vapors. Scrape up cured product. Before attempting cleanup, refer to hazard caution information in other sections of the MSDS form.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep closure tight and container upright to prevent leakage. **Warning:** Contact with cotton or wool may result in a strong exothermic reaction which can cause burns or fire. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Do not smoke where this product is used or stored.

**STORAGE:** Do not store or use near heat, sparks, or open flame. Store only in well-ventilated areas. 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.

**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. Observe OSHA regulations (29CFR 1910.134) for respirator use.

**SKIN PROTECTION:** Do not use cotton or wool gloves. 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. 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

<b>BOILING RANGE:</b>	N.A.	<b>VAPOR DENSITY:</b>	Heavier than Air
<b>APPEARANCE:</b>	Clear	<b>EVAPORATION RATE:</b>	Not Applicable
<b>PHYSICAL STATE:</b>	Liquid	<b>DENSITY, LB/GL:</b>	8.9 lb/gal
<b>ODOR:</b>	Sharp, irritating	<b>SPECIFIC GRAVITY:</b>	1.07 g/cm3
<b>SOLUBILITY IN H2O:</b>	Insoluble	<b>pH:</b>	N.A.
<b>FREEZE POINT:</b>	N.D.	<b>ODOR THRESHOLD:</b>	N.D.
<b>VOLATILE BY WEIGHT:</b>	0.0 %	<b>VOLATILE BY VOLUME:</b>	0.0 %
<b>VAPOR PRESSURE:</b>	N.D.		
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	N.D.		

(See section 16 for abbreviation legend)

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY:** Amines and bases.

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

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

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

## 11. TOXICOLOGICAL INFORMATION

<b>PRODUCT LD50</b>	<b>(ORAL)</b>	No Data
	<b>(DERMAL)</b>	No Data
<b>PRODUCT LC50</b>		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 -

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

**SARA SECTION 313:**

Product: LORD CA GEL, Effective Date: 11/03/2003

---

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:

NONE

**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:

NONE

<b>16. OTHER INFORMATION</b>
------------------------------

**HMS RATINGS - HEALTH: 2 FLAMMABILITY: 2 PHYSICAL HAZARD: 2**

\* - Indicates a chronic hazard; see Section 3

**VOLATILE ORGANIC COMPOUNDS (Calculated): 0 lb/gal, 0 g/l**

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

<b>DISCLAIMER</b>
-------------------

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.