

USA Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LORD 7550A

Product Use/Class: Urethane Adhesive, Part 1 of 2

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

Telephone: 814 868-3180

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

EFFECTIVE DATE: 01/04/2023

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Acute toxicity Inhalation - VapourCategory 4 - 0.1% of the mixture consists of ingredient(s) of unknown toxicity. Acute toxicity Inhalation - Dust and Mist Category 4 - 0.1% of the mixture consists of ingredient(s) of unknown toxicity.

Skin sensitization Category 1A

Specific target organ systemic toxicity (single exposure) Category 3 Hazardous to the aquatic environment - acute hazard Category 3 Hazardous to the aquatic environment - chronic hazard Category 3

GHS LABEL ELEMENTS:

Symbol(s)



Signal Word

WARNINGWARNING

Hazard statements

Harmful if inhaled.

May cause an allergic skin reaction.

May cause respiratory irritation.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

Wear protective gloves.

Avoid breathing dust/fume/gas/mist/vapors/spray.

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.

Wear protective gloves.

Avoid breathing dust/fume/gas/mist/vapors/spray.

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

Call a POISON CENTER or doctor, physician if you feel unwell.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice, attention.

Wash contaminated clothing before reuse.

Call a POISON CENTER or doctor, physician if you feel unwell.

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: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice, attention.

Wash contaminated clothing before reuse.

Storage

Store in a closed container.

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. 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: May cause skin and eye irritation. 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 allergic respiratory reaction. May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: May cause long-term lung damage. Prolonged or repeated contact may result in dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients above the threshold concentration

Chemical Name	CAS Number	Range
Aliphatic polyisocyanate	PROPRIETARY	95 - 100 %
Monomeric aliphatic diisocyanate	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:** Do not use water jet as this may spread the fire.

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SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Keep container 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. 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 this safety data sheet. 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: Amines, acids, water, hydroxyl, or active hydrogen compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

Chemical Name	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL- TWA	OSHA PEL- CEILING	Skin
Aliphatic polyisocyanate	N.E.	N.E.	N.E.	N.E.	Not applicable
Monomeric aliphatic diisocyanate	0.005 ppm	N.E.	N.E.	N.E.	Not applicable

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: This product contains isocyanates which have poor odor warning properties. If occupational exposure limits are exceeded, a NIOSH approved supplied-air respirator is required. 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. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

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. Use long-sleeved shirt to minimize skin exposure.

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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.

Odor: No Vapor Pressure: N.D.

Appearance:ClearVapor density:Heavier than AirPhysical state:LiquidLower explosion limit:N.A.

Flash point: ≥ 201 °F, 93 °C Upper explosive limit: N.A. Setaflash Closed Cup

Boiling range: N.A. Evaporation rate: N.A.

Autoignition temperature:N.D.Density:1.17 g/cm3 (9.76 lb/gal)Decomposition temperature:N.D.Viscosity, dynamic: $\geq 1,800 \text{ mPa.s}$ @ 25 °COdor threshold:N.D.Viscosity, kinematic: $\geq 1,538 \text{ mm2/s}$ @ 25 °C

Solubility in H2O: Insoluble Volatile by weight: 0.00 % pH: N.A. Volatile by volume: 0.00 %

Freeze point: N.D. VOC Calculated: 0 lb/gal, 0 g/l

Coefficient of water/oil distribution: N.D.

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

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerisation will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Does not decompose when used and stored as recommended., Monomeric isocyanate, traces of hydrogen cyanide, nitrogen dioxide., Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Chemical Name	<u>LD50/LC50</u>
Aliphatic polyisocyanate	Dermal LD50: Rat > 2,000 mg/kg
	GHS LC50 (vapour): Acute toxicity point estimate 11 mg/l GHS LC50
	(dust and mist): Acute toxicity point estimate 1.5 mg/l
Monomeric aliphatic diisocyanate	Oral LD50: Rat 738 mg/kg
	Dermal LD50: Rat > 7,000 mg/kg
	Inhalation LC50: Rat 0.06 mg/l /4 h

Germ cell mutagenicity: No classification proposed

Carcinogenicity: No classification proposed

Reproductive toxicity: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Aliphatic polyisocyanate	Fish: Danio rerio (zebra fish) > 100 mg/l96 h

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Monomeric aliphatic diisocyanate	Fish: Brachydanio rerio 26.1 mg/l96 h Static

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

This product is NOT REGULATED for non-bulk 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:

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 percent less than</u>

Monomeric aliphatic diisocyanate PROPRIETARY 0.9 %

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS

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

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

16. OTHER INFORMATION

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: 2* FLAMMABILITY: 1 PHYSICAL HAZARD: 1

* - Indicates a chronic hazard; see Section 2

Revision: Section 1, Section 2, Section 8, Section 9, Section 11, Section 16

Effective Date: 01/04/2023

DISCLAIMER

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.



USA Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LORD 7550C

Product Use/Class: Urethane Adhesive, Part 2 of 2

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

Telephone: 814 868-3180

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

EFFECTIVE DATE: 01/04/2023

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

All components of this product have either not been classified according to GHS or are below the threshold concentration required for classification. Please refer to section 2-Other Hazards for possible hazards associated with this product.

Hazard statements

Refer to Section 2; Other hazards.

Precautionary statements

Prevention

Refer to Section 6 of this SDS.

Response

Refer to Section 4 of this SDS.

Storage

Refer to Section 7 of this SDS.

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: Eye contact may cause slight irritation. May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: None expected under normal working conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

There are no components present which, given information provided through in-house testing, suppliers, regulatory resources, and legislative sources, are present above applicable cut-off concentration, that would require classification as hazardous to health or the environment and hence require disclosure in this 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.

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FIRST AID - INHALATION: This material is not likely to be hazardous by inhalation. However, if exposed to excessive levels of vapor or mist, remove to fresh air, give oxygen if breathing is difficult, and 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:** Do not use water jet as this may spread the fire.

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Keep container 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. If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Avoid contact. Avoid breathing vapors.

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 this safety data sheet. Contain and remove with inert absorbent material.

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. 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 reused. Use with adequate ventilation.

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

INCOMPATIBILITY: Acids, caustics, amines, ammonia, halogens, and isocyanates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

There are no components present which, given information provided through in-house testing, suppliers, regulatory resources, and legislative sources, are present above applicable cut-off concentration, that would require classification as hazardous to health or the environment and hence require disclosure in this section.

Engineering Controls: Provide adequate general ventilation where this product is used.

PERSONAL PROTECTION MEASURES/EQUIPMENT:

Respiratory protection: Respiratory protection is not required under normal working conditions where adequate ventilation is present.

Skin protection: Use neoprene, nitrile, or rubber gloves to prevent skin contact. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Product: LORD 7550C, Effective Date: 01/04/2023

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

Typical values, not to be used for specification purposes.

Odor:NoVapor Pressure:N.D.Appearance:ClearVapor density:Heavier than AirPhysical state:LiquidLower explosion limit:N.A.

Flash point: $\geq 201 \, ^{\circ}\text{F}$, 93 °C Upper explosive limit: N.A.

Setaflash Closed Cup

Boiling range: N.A. Evaporation rate: N.A.

 Solubility in H2O:
 Insoluble
 Volatile by weight:
 0.00 %

 pH:
 N.A.
 Volatile by volume:
 0.00 %

 Freeze point:
 N.D.
 VOC Calculated:
 0 lb/gal, 0 g/l

Coefficient of water/oil distribution: N.D.

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

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerisation will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Acids, caustics, amines, ammonia, halogens, and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS: Does not decompose when used and stored as recommended., Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

There are no components present which, given information provided through in-house testing, suppliers, regulatory resources, and legislative sources, are present above applicable cut-off concentration, that would require classification as hazardous to health or the environment and hence require disclosure in this section.

Germ cell mutagenicity: No classification proposed

Carcinogenicity: No classification proposed

Reproductive toxicity: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Product: LORD 7550C, Effective Date: 01/04/2023

There are no components present which, given information provided through in-house testing, suppliers, regulatory resources, and legislative sources, are present above applicable cut-off concentration, that would require classification as hazardous to health or the environment and hence require disclosure in this section.

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

This product is NOT REGULATED for non-bulk 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:

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.:

None

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS

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

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

16. OTHER INFORMATION

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: 1 FLAMMABILITY: 1 PHYSICAL HAZARD: 0

* - Indicates a chronic hazard; see Section 2

Revision: Section 1, Section 2, Section 8, Section 9, Section 11, Section 16

Effective Date: 01/04/2023

DISCLAIMER

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.