SAFETY DATA SHEET
LORD 7550A

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name LORD 7550A

Product number LORD 7550A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses For industrial and professional use only. Two-component polyurethane adhesive. Resin.

1.3. Details of the supplier of the safety data sheet

Supplier

LORD Germany GmbH
Ottostrasse 28
D-41836 Hückelhoven
Germany
TEL : +49 (0) 2433-5257-0
FAX: + 49 (0) 2433-5257-18
Questions concerning the content of the SDS: EuropeMSDS@lord.com
General requests: info.europe@lord.com

Manufacturer

LORD CORPORATION
111 LORD DRIVE
CARY, NC 27511-7923
U.S.A.

Information Tel.: 001 814 868 0924

1.4. Emergency telephone number

Emergency telephone NON-TRANSPORTATION EMERGENCY TELEPHONE NO. (USA): 001 814 763 2345

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H332 Elicitation (Resp. Sens.) Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) R43.

2.2. Label elements

Pictogram

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Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary statements P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P280 Wear protective clothing, gloves, eye and face protection.

Supplemental label information EUH204 Contains isocyanates. May produce an allergic reaction.

Contains HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER

2.3. Other hazards

Due to missing data, not all ingredients could be reviewed on PBT and vPvB criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER **< 100%**

CAS number: 28182-81-2

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H332	R43.
Skin Sens. 1 - H317	
STOT SE 3 - H335	
STOT SE 3 - H335	

HEXAMETHYLENE-DI-ISOCYANATE **<1%**

CAS number: 822-06-0 EC number: 212-485-8

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	T;R23 R42/43 Xi;R36/37/38
Acute Tox. 1 - H330	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Resp. Sens. 1 - H334	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. Get medical attention if any discomfort continues.

Ingestion Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

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Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information Effects may be delayed. Keep affected person under observation.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea. Irritating to respiratory system.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged contact may cause redness, irritation and dry skin. Allergic rash.

Eye contact Irritation of eyes and mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Effects may be delayed. Keep affected person under observation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2). Refer to section 10 of this safety data sheet for more information on hazardous decomposition products. Keep container tightly closed. Containers can burst violently or explode when heated, due to excessive pressure build-up. Use water spray to keep fire exposed containers cool. Irritating and/or toxic gases and particulates may be generated by thermal decomposition or combustion.

5.3. Advice for firefighters

Protective actions during firefighting Move containers from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Smaller quantities of residue may be collected by an absorbent. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

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6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Persons susceptible to allergic reactions should not handle this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class LGK 10 (TRGS 510)

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

HEXAMETHYLENE-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL 0,02 mg/m³
Short-term exposure limit (15-minute): WEL 0,07 mg/m³
Sen
as NCO

WEL = Workplace Exposure Limit
Sen = Capable of causing occupational asthma.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation. All handling should only take place in well-ventilated areas.

Eye/face protection Use approved safety glasses with side shields. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles and face shield.

Hand protection Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Viton rubber (fluoro rubber). 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.

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

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Hygiene measures	Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke. Contaminated clothing should be placed in a closed container for disposal or decontamination. Warn cleaning personnel of any hazardous properties of the product.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear liquid.
Odour	No characteristic odour.
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	≥ 93°C SCC (Setaflash closed cup).
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.15 - 1.17 @ 20°C
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	1800 - 4000 mPa s @ 25°C
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of < 1 %. The VOC-value given was calculated according to the guidelines specified in Directive 1999/13/EC.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

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Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Hazardous polymerisation will not occur under normal conditions.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Amines. Strong acids. Strong oxidising agents. Water, steam, water mixtures. Hydroxyl, or active hydrogen compounds.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO_2). Monomeric isocyanates. Organic or inorganic nitrogen compounds including traces of hydrogen cyanide. Nitrous gases (NOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 62.0

ATE inhalation (dusts/mists mg/l) 1.50300601

General information The present product is a chemical preparation within the meaning of the REACh Regulation 1907/2006/EC. To avoid testing the product in animal experiments the evaluation is made based on toxicological data and content by weight of the individual ingredients according to 1999/45/EC or analagous evaluations of comparable products. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation.

Inhalation Irritating to respiratory system. Harmful by inhalation.

Ingestion No harmful effects expected from quantities likely to be ingested by accident.

Skin contact May cause sensitisation by skin contact.

Eye contact Irritation of eyes and mucous membranes.

SECTION 12: Ecological Information

Ecotoxicity Do not empty into drains, soil or bodies of water. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Acute toxicity - fish No data available.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

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Partition coefficient Not available.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Due to missing data, not all ingredients could be reviewed on PBT and vPvB criteria.

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered. Do not dump into any sewers, on the ground, or into any body of water. Not be to be disposed of together with household waste. Any disposal practice must be in compliance with all local and national laws and regulations. Fully cured product residues are generally not regarded as hazardous waste. Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Disposal methods The product as supplied should be disposed of as hazardous waste according to European Directive 91/689/EEC.

Waste class The waste code number applies to actual wastes depending on its origin and not to substances or mixtures as placed on the market. Only the practical application of the user enables the proper allocation. Allocation of the waste code number according to the European Waste Catalogue (Commission Decision 2000/532/EC and 2001/118/EC) should be carried out in agreement with the regional waste disposal company and/or the supervisory authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.
Water hazard classification	WGK 1 (VwVwS 17 May 1999 Annex 4)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Key literature references and sources for data	Dangerous Properties of Industrial Materials Report, N.Sax et.al. Safety Data Sheets, Misc. manufacturers.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	EU Regulatory Compliance Specialist (Product Safety).
Revision date	27/05/2015
Revision	3
Supersedes date	13/04/2012
SDS number	10445
Risk phrases in full	R23 Toxic by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R42/43 May cause sensitisation by inhalation and skin contact. R43 May cause sensitisation by skin contact.
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H330 Fatal if inhaled. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. EUH208 Contains HEXAMETHYLENE-DI-ISOCYANATE. May produce an allergic reaction.