AUSTRALIA GHS Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **FUSOR® 140, 141 CLEAR PLASTIC BONDING ADH PT A**
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
Chemtrec 24 Hr Transportation Emergency No.
800 424-9300 (Outside Continental U.S. 703 527-3887)

Connell Bros. Co. Australasia Pty Ltd.
Unit 3 / 257 Leitchs Road
Brendale QLD 4500 Australia
ABN 53 079 159 327
Telephone: 07 3552 9200
Australia Wide - 24 Hr Emergency Number
1800-033-111

EFFECTIVE DATE: 03/10/2023

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Acute toxicity OralCategory 5
Acute toxicity Dermal Category 5
Acute toxicity Inhalation - Dust and Mist Category 4
Acute toxicity Inhalation - Vapour Category 4
Skin corrosion/irritation Category 3
Skin sensitization Category 1
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

WARNING

Hazard statements

May be harmful if swallowed.
May be harmful in contact with skin.
Harmful if inhaled.
Causes mild skin irritation.

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.

Response

Call a POISON CENTER or doctor, physician if you feel unwell.
Call a POISON CENTER or doctor, physician if exposed or 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 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: 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 eye irritation. May cause lung damage. May cause allergic respiratory reaction.

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

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 %

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 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

Aliphatic polyisocyanate	PROPRIETARY	Not established
Monomeric aliphatic diisocyanate	PROPRIETARY	Australia STEL: 0.07 mg/m3 Australia TWA: 0.02 mg/m3 ACGIH-TWA: 0.005 ppm

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.

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:	Mild	**Vapor Pressure:**	N.D.
Appearance:	Opaque	**Vapor density:**	Heavier than Air
Physical state:	Paste	**Lower explosion limit:**	N.A.
Flash point:	≥ 201 °F, 93 °C Setaflash Closed Cup	**Upper explosive limit:**	N.A.
Boiling range:	N.A.	**Evaporation rate:**	N.A.
Autoignition temperature:	N.D.	**Density:**	1.14 g/cm3
Decomposition temperature:	N.D.	**Viscosity, dynamic:**	N.D.
Odor threshold:	N.D.	**Viscosity, kinematic:**	N.D.
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: 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.

CHRONIC EFFECTS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Acute toxicity Oral: Category 5 - May be harmful if swallowed.
Components contributing to classification: Aliphatic polyisocyanate.

Acute toxicity Dermal: Category 5 - May be harmful in contact with skin.
Components contributing to classification: Aliphatic polyisocyanate.

Acute toxicity Inhalation - Dust and Mist: Category 4
Components contributing to classification: Aliphatic polyisocyanate. Fumed Silica.

Acute toxicity Inhalation - Vapour: Category 4 - Harmful if inhaled.
Components contributing to classification: Aliphatic polyisocyanate.

Chemical Name	LD50/LC50
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

Skin corrosion/irritation: Category 3 - Causes mild skin irritation.
Components contributing to classification: Fumed Silica.

Serious eye damage/eye irritation: No classification proposed

Skin sensitization: Category 1 - May cause an allergic skin reaction.
Components contributing to classification: Aliphatic polyisocyanate. Monomeric aliphatic diisocyanate.

Respiratory sensitization: No classification proposed

Germ cell mutagenicity: No classification proposed

Carcinogenicity: No classification proposed

Reproductive toxicity: No classification proposed

Specific target organ systemic toxicity (single exposure): Category 3 - May cause respiratory irritation.
Components contributing to classification: Aliphatic polyisocyanate.

Specific target organ systemic toxicity (repeated exposure): No classification proposed

Aspiration hazard: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Aliphatic polyisocyanate	Fish: Danio rerio (zebra fish) > 100 mg/l96 h
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: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

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

INTERNATIONAL REGULATIONS: AS FOLLOWS -

AUSTRALIA INVENTORY OF EXISTING CHEMICAL SUBSTANCES (AICS):
All components of this product are on the AICS list.

16. OTHER INFORMATION

Revision: Section 1, Section 2, Section 11

Effective Date: 03/10/2023

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.