AUSTRALIA GHS Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **FUSOR 127EZ PLASTIC BONDING ADH PT B**
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
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: 08/04/2022

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Acute toxicity Inhalation - Dust and MistCategory 4
Acute toxicity Inhalation - Vapour Category 5
Skin sensitization Category 1
Reproductive toxicity Category 1B
Specific target organ systemic toxicity (repeated exposure) Category 1 Respiratory system
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

DANGER

Hazard statements

Harmful if inhaled.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure.(Respiratory system)
Harmful to aquatic life.
Harmful 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, 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

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

Chronic: IARC has designated titanium dioxide (TiO2) as Group 2B – possibly carcinogenic to humans in dust form. However, a number of long term animal studies and human epidemiology studies evaluating TiO2 and workplace exposure show insufficient evidence for carcinogenic effects. EPA, NTP and OSHA do not designate TiO2 as a carcinogen and ACGIH designates TiO2 as A4 - not classifiable as a human carcinogen. Mortaility from other chronic diseases, including other respiratory diseases, was not associated with exposure to TiO2 dust. TiO2 is not present in this product as a dust and no airborne exposure is expected during application.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Range
1,4-Butanediol	110-63-4	10 - 15 %
Titanium dioxide	13463-67-7	5 - 10 %
Amide	PROPRIETARY	1 - 5 %
8-hydroxy quinoline	148-24-3	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: 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: 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.

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 re-used. 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

1,4-Butanediol	110-63-4	Not established

Titanium dioxide	13463-67-7	Not established
Amide	PROPRIETARY	Not established
8-hydroxy quinoline	148-24-3	Not established

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.

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:	Odorless	**Vapor Pressure:**	N.D.
Appearance:	White	**Vapor density:**	Heavier than Air
Physical state:	Liquid	**Lower explosion limit:**	Not applicable
Flash point:	≥ 201 °F, 93 °C Setaflash Closed Cup	**Upper explosive limit:**	Not applicable
Boiling range:	N.A.	**Evaporation rate:**	Not applicable
Autoignition temperature:	N.D.	**Density:**	1.32 g/cm3
Decomposition temperature:	N.D.	**Viscosity, dynamic:**	≥230,000 mPa.s @ 25 °C
Odor threshold:	N.D.	**Viscosity, kinematic:**	≥174,242 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: Acids, caustics, amines, ammonia, halogens, and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS: 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 Inhalation - Dust and Mist: Category 4 - Harmful if inhaled.
Components contributing to classification: 1,4-Butanediol.
Acute toxicity Inhalation - Vapour: Category 5
Components contributing to classification: Polyether polyol. 1,4-Butanediol. Amide.

Chemical Name	LD50/LC50
1,4-Butanediol	Oral LD50: Rat 1,525 mg/kg Dermal LD50: Rat > 5,000 mg/kg Inhalation LC50: Rat > 5.1 mg/l /4 h
Titanium dioxide	Oral LD50: Rat > 10,000 mg/kg Dermal LD50: rabbit > 5,000 mg/kg GHS LC50 (dust and mist): Rat > 6.82 mg/l /4 h
Amide	Oral LD50: rat > 2,000 mg/kg
8-hydroxy quinoline	Oral LD50: Rat 1,200 mg/kg Dermal LD50: Rat > 10,000 mg/kg Inhalation LC50: Rat > 1,210 mg/m3 /6 h

Skin corrosion/irritation: No classification proposed

Serious eye damage/eye irritation: No classification proposed

Skin sensitization: Category 1 - May cause an allergic skin reaction.
Components contributing to classification: 8-hydroxy quinoline.

Respiratory sensitization: No classification proposed

Germ cell mutagenicity: No classification proposed

Carcinogenicity: No classification proposed

Reproductive toxicity: Category 1B - May damage fertility or the unborn child.
Components contributing to classification: 8-hydroxy quinoline.

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

Specific target organ systemic toxicity (repeated exposure): Category 1 - Causes damage to organs through prolonged or repeated exposure.(Respiratory system)
Components contributing to classification: Titanium dioxide.

Aspiration hazard: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity

1,4-Butanediol	Fish: Pimephales promelas > 30,000 mg/l96 h Static Invertebrates: Daphnia magna 813 mg/l48 h Daphnia magna > 85 mg/l21 d semi-static Plants: Desmodesmus subspicatus > 500 mg/l72 h
Titanium dioxide	N.D.
Amide	Fish: Cyprinus carpio (Carp) > 0.2 mg/l96 h Invertebrates: Daphnia magna (Water flea) > 0.2 mg/l48 h Plants: freshwater algae 0.025 mg/l
8-hydroxy quinoline	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.

ADDITIONAL ECOLOGICAL INFORMATION: Product testing or applied bridging principals concludes that EC50 (NOEC) is >10mg/L per OECD Guidelines 201: Freshwater Alga and Cyanobacteria, Growth Inhibition Test.

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 IATA Cargo or IMDG 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

Effective Date: 08/04/2022

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.