AUSTRALIA GHS Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **FUSOR® 2098 CRASH DURABLE STRUCTURAL ADH PT B**
Product Use/Class: **ADHESIVE, PART B**
Reference: .

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: 03/17/2023

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Acute toxicity OralCategory 4
Acute toxicity Dermal Category 4
Acute toxicity Inhalation - Dust and Mist Category 5 - 76.3% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion/irritation Category 1
Serious eye damage/eye irritation Category 1
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

DANGER

Hazard statements

Harmful if swallowed.
Harmful in contact with skin.

May be harmful if inhaled.
Causes severe skin burns and eye damage.
Causes serious eye damage.
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, protective clothing.
Do not breathe dust, fume, mist, vapors, spray.
Avoid breathing dust/fume/gas/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

Immediately call a POISON CENTER or doctor, physician.
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 (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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: Vapors may cause irritation of nose, throat, and upper respiratory tract. May cause headache and nausea. Eye contact may cause severe eye damage, including vision disturbances, corneal damage, and blindness.

Chronic: May cause conjunctivitis or other adverse eye effects. May cause long-term lung damage. 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. Mortality 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

Hazardous ingredients above the threshold concentration

Chemical Name	CAS Number	Range

Alkoxylated polyamine	39423-51-3	25 - 30 %
Polyoxypropylenediamine	9046-10-0	15 - 20 %
Amine compound	PROPRIETARY	10 - 15 %
Amine compound	PROPRIETARY	10 - 15 %
Amine compound	PROPRIETARY	1 - 5 %
Polyethyleneimine	9002-98-6	1 - 5 %
Titanium dioxide	13463-67-7	0.1 - 0.9 %
Amine compound	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: 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. 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: Strong acids, bases, and strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

Alkoxylated polyamine	39423-51-3	Not established
Polyoxypropylenediamine	9046-10-0	Not established
Amine compound	PROPRIETARY	Not established
Amine compound	PROPRIETARY	Not established
Amine compound	PROPRIETARY	Not established
Polyethyleneimine	9002-98-6	Not established
Titanium dioxide	13463-67-7	Not established
Amine compound	PROPRIETARY	Not established

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: 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. 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: Remove and wash contaminated clothing before reuse.

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: Amine
Appearance: White
Vapor Pressure: N.D.
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:**	1.12 g/cm3
Decomposition temperature:	N.D.	**Viscosity, dynamic:**	≥100,000 mPa.s @ 23 °C
Odor threshold:	N.D.	**Viscosity, kinematic:**	≥89,286 mm2/s @ 23 °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: Strong acids, bases, and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Does not decompose when used and stored as recommended., Carbon monoxide, carbon dioxide, organic or inorganic nitrogen compounds including traces of hydrogen cyanide.

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 4 - Harmful if swallowed.
Components contributing to classification: Alkoxylated polyamine. Polyoxypropylenediamine. Amine compound. Amine compound. Amine compound. Polyethyleneimine.

Acute toxicity Dermal: Category 4 - Harmful in contact with skin.
Components contributing to classification: Alkoxylated polyamine. Polyoxypropylenediamine. Amine compound. Amine compound. Dicyandiamide.

Acute toxicity Inhalation - Dust and Mist: Category 5 - May be harmful if inhaled.
Components contributing to classification: Polymer. Amorphous silica.

Chemical Name	LD50/LC50
Alkoxylated polyamine	Dermal LD50: Rat > 1,000 mg/kg
Polyoxypropylenediamine	Oral LD50: Rat 242 mg/kg Dermal LD50: Rabbit 360 mg/kg Dermal LD50: Rabbit 2,980 mg/kg
Amine compound	Oral LD50: Rat 4,290 mg/kg Dermal LD50: Rabbit 2500 µL/kg

	Dermal LD50: Rabbit 2,525 mg/kg
Amine compound	Oral LD50: Rat 1,200 mg/kg Dermal LD50: Rat 1,280 mg/kg
Amine compound	N.D.
Polyethyleneimine	Oral LD50: Rat 1,350 mg/kg :
Titanium dioxide	Oral LD50: Rat > 10,000 mg/kg Oral LD50: Rat > 5,000 mg/kg Dermal LD50: rabbit > 5,000 mg/kg GHS LC50 (dust and mist): Rat > 6.82 mg/l /4 h
Amine compound	Oral LD50: Rat 2140 µL/kg Dermal LD50: Rabbit 866 mg/kg

Skin corrosion/irritation: Category 1 - Causes severe skin burns and eye damage.
Components contributing to classification: Alkoxylated polyamine. Polyoxypropylenediamine. Amine compound. Amine compound. Dicyandiamide. Amine compound.

Serious eye damage/eye irritation: Category 1 - Causes serious eye damage.
Components contributing to classification: Alkoxylated polyamine. Polyoxypropylenediamine. Amine compound. Amine compound. Amine compound. Polyethyleneimine.

Skin sensitization: Category 1 - May cause an allergic skin reaction.
Components contributing to classification: Amine compound. Polyethyleneimine. Amine compound.

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:

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

Aspiration hazard: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Alkoxylated polyamine	N.D.
Polyoxypropylenediamine	N.D.
Amine compound	N.D.
Amine compound	N.D.
Amine compound	N.D.
Polyethyleneimine	N.D.
Titanium dioxide	Fish: Oncorhynchus mykiss > 100 mg/l96 h Invertebrates: Daphnia magna > 100 mg/l48 h
Amine compound	Fish: Pimephales promelas 1,950 - 2,460 mg/l96 h Flow through Poecilia reticulata > 1,000 mg/l96 h semi-static Oncorhynchus mykiss >= 100 mg/l96 h semi-static Invertebrates: Daphnia magna 32 mg/l48 h Plants: Pseudokirchneriella subcapitata 495 mg/l72 h

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

Road transport

Proper Shipping Name:	AMINES, SOLID, CORROSIVE, N.O.S.
Hazard Class:	8
Secondary hazard:	None
UN/NA Number:	3259
Packing group:	III
Emergency Response Guide Number:	154

IATA Cargo

Proper shipping name:	AMINES, SOLID, CORROSIVE, N.O.S.
Hazard Class:	8
Hazard class:	None
UN number:	3259
Packing group:	III
EmS:	8L

IMDG

Proper shipping name:	AMINES, SOLID, CORROSIVE, N.O.S.
Hazard Class:	8
Hazard class:	None
UN number:	3259
Packing group:	III
EmS:	F-A; S-B

The listed transportation classification applies to non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS: AS FOLLOWS -

AUSTRALIA INVENTORY OF EXISTING CHEMICAL SUBSTANCES (AICS):

At least one component of this product is not listed on the AICS.

16. OTHER INFORMATION

Revision: Section 1, Section 2, Section 11, Section 12

Effective Date: 03/17/2023

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.