AUSTRALIA GHS Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **FUSOR® 112B, 113B METAL BONDING ADH PT B**
Product Use/Class: **ACRYLIC 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

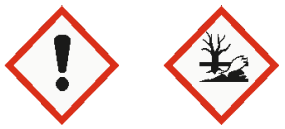
EFFECTIVE DATE: 05/15/2023

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Skin sensitization Category 1
Hazardous to the aquatic environment - acute hazard Category 1
Hazardous to the aquatic environment - chronic hazard Category 1

GHS LABEL ELEMENTS:
Symbol(s)



Signal Word

WARNING

Hazard statements

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

Wear protective gloves, eye protection, face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Response

Specific treatment (see supplemental first aid instructions on this label).
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice, attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice, attention.
Take off contaminated clothing and wash before reuse.
Collect spillage.

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: May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: Prolonged exposure to the silica-containing sanding dust of this product could cause long-term lung damage. Crystalline silica is classified by IARC and NTP as a known human carcinogen as a respirable dust. The silica in Parker Lord products is not in a form that can be inhaled and presents no risk to the end user. No exposure is expected during normal use of this product. Sanding or abrading the cured materials is not recommended. Wear appropriate respiratory protection if exposure to dusts is possible.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients above the threshold concentration

Chemical Name	CAS Number	Range
Epoxy resin	1675-54-3	30 - 35 %
Benzoate ester	PROPRIETARY	5 - 10 %
Dibenzoyl peroxide	94-36-0	1 - 5 %
Crystalline silica	14808-60-7	0.1 - 0.9 %

Epoxy resin (1675-54-3) can also be represented by CAS 25068-38-6.

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: 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. 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. 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

Epoxy resin	1675-54-3	Not established
Benzoate ester	PROPRIETARY	Not established
Dibenzoyl peroxide	94-36-0	Australia TWA: 5 mg/m3 ACGIH-TWA: 5 mg/m3
Crystalline silica	14808-60-7	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. 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:	Mild	**Vapor Pressure:**	N.D.
Appearance:	Gray to black	**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:**	1.78 g/cm3
Decomposition temperature:	N.D.	**Viscosity, dynamic:**	≥100,000 mPa.s @ 25 °C
Odor threshold:	N.D.	**Viscosity, kinematic:**	≥56,180 mm2/s @ 25 °C
Solubility in H2O:	Insoluble	**Volatile by weight:**	0.19 %
pH:	N.A.	**Volatile by volume:**	0.12 %
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.

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 : No classification proposed

Chemical Name	LD50/LC50
Epoxy resin	Oral LD50: Rat 11,400 mg/kg Dermal LD50: Rabbit 20,000 mg/kg
Benzoate ester	Oral LD50: Rat 3,914 mg/kg Dermal LD50: Rat > 2,000 mg/kg GHS LC50 (dust and mist): Rat > 200 mg/l /4 h
Dibenzoyl peroxide	Oral LD50: Rat 7,710 mg/kg GHS LC50 (dust and mist): Rat > 24.3 mg/l /4 h
Crystalline silica	N.D.

Skin corrosion/irritation: Category 2 - Causes skin irritation.
Components contributing to classification: Epoxy resin.

Serious eye damage/eye irritation: Category 2A - Causes serious eye irritation.
Components contributing to classification: Epoxy resin. Dibenzoyl peroxide.

Skin sensitization: Category 1 - May cause an allergic skin reaction.
Components contributing to classification: Epoxy resin. Dibenzoyl peroxide.

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): No classification proposed

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

Aspiration hazard: No classification proposed

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Epoxy resin	Fish: Oncorhynchus mykiss 1.75 mg/l96 h Invertebrates: Daphnia magna 2.8 mg/l48 h
Benzoate ester	Fish: Pimephales promelas 3.7 mg/l96 h Flow through Invertebrates: Daphnia magna 19.3 mg/l48 h
Dibenzoyl peroxide	Fish: Oncorhynchus mykiss 0.0602 mg/l96 h semi-static

	Invertebrates: Daphnia magna 0.11 mg/l48 h
Crystalline silica	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.

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:	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class:	9
Secondary hazard:	None
UN/NA Number:	3082
Packing group:	III
Emergency Response Guide Number:	171

IATA Cargo

Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class:	9
Hazard class:	None
UN number:	3082
Packing group:	III
EmS:	9L

IMDG

Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class:	9
Hazard class:	None
UN number:	3082
Packing group:	III
EmS:	F-A; S-F

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):

All components of this product are on the AICS list.

16. OTHER INFORMATION

Revision: Section 1

Effective Date: 05/15/2023

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.