

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 1  
Skin sensitization Category 1A  
Reproductive toxicity Category 1B  
Specific target organ systemic toxicity (single exposure) Category 1 Respiratory system  
Specific target organ systemic toxicity (repeated exposure) Category 2 intestinal tract, Stomach, Respiratory system  
Hazardous to the aquatic environment - acute hazard Category 3  
Hazardous to the aquatic environment - chronic hazard Category 2

**GHS LABEL ELEMENTS:****Symbol(s)****Signal Word**

DANGER

**Hazard statements**

Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction.

May damage fertility or the unborn child.  
Causes damage to organs.(Respiratory system)  
May cause damage to organs through prolonged or repeated exposure.(intestinal tract, Stomach, Respiratory system)  
Harmful to aquatic life.  
Toxic 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, eye protection, face protection.  
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.  
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 ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Take off contaminated clothing and wash before reuse.  
Collect spillage.

##### 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:** No additional hazards determined for this product outside of the GHS classification.

**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

| <u>Chemical Name</u>            | <u>CAS Number</u> | <u>Range</u> |
|---------------------------------|-------------------|--------------|
| Epoxy resin                     | PROPRIETARY       | 45 - 50 %    |
| 1,6-Hexanediol diglycidyl ether | 16096-31-4        | 5 - 10 %     |
| Hexaoxa-silaheptadecane         | 88127-84-8        | 5 - 10 %     |
| Bisphenol A                     | 80-05-7           | 1 - 5 %      |

|                        |            |             |
|------------------------|------------|-------------|
| Crystalline silica     | 14808-60-7 | 0.1 - 0.9 % |
| Cashew nutshell liquid | 8007-24-7  | 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 appropriate respiratory protection for large spills or spills in confined area.

**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). This product contains 1,6-Hexanediol diglycidyl ether, which is subject to a Significant New Use Rule (SNUR) under the Toxic Substances Control Act. It is believed to be toxic in an aquatic environment. Releases to water streams are prohibited. All internal waste streams, residues and spills of uncured material must be collected and incinerated.

#### 7. HANDLING AND STORAGE

Product: FUSOR® 2098 CRASH DURABLE STRUCTURAL ADH PT A, Effective Date:  
03/17/2023

**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:** Amines, acids, water, hydroxyl, or active hydrogen compounds.; Strong oxidizers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENT EXPOSURE LIMIT

|                                 |             |                 |
|---------------------------------|-------------|-----------------|
| Epoxy resin                     | PROPRIETARY | Not established |
| 1,6-Hexanediol diglycidyl ether | 16096-31-4  | Not established |
| Hexaoxa-silaheptadecane         | 88127-84-8  | Not established |
| Bisphenol A                     | 80-05-7     | Not established |
| Crystalline silica              | 14808-60-7  | Not established |
| Cashew nutshell liquid          | 8007-24-7   | 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.

**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.

**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.

|                                   |   |                               |                        |
|-----------------------------------|---|-------------------------------|------------------------|
| <b>Odor:</b>                      | Odorless                                | <b>Vapor Pressure:</b>        | N.D.                   |
| <b>Appearance:</b>                | Blue                                    | <b>Vapor density:</b>         | Heavier than Air       |
| <b>Physical state:</b>            | Paste                                   | <b>Lower explosion limit:</b> | N.A.                   |
| <b>Flash point:</b>               | ≥ 201 °F, 93 °C<br>Setaflash Closed Cup | <b>Upper explosive limit:</b> | N.A.                   |
| <b>Boiling range:</b>             | N.A.                                    | <b>Evaporation rate:</b>      | N.A.                   |
| <b>Autoignition temperature:</b>  | N.D.                                    | <b>Density:</b>               | 1.2 g/cm <sup>3</sup>  |
| <b>Decomposition temperature:</b> | N.D.                                    | <b>Viscosity, dynamic:</b>    | ≥100,000 mPa.s @ 23 °C |

Product: FUSOR® 2098 CRASH DURABLE STRUCTURAL ADH PT A, Effective Date:  
03/17/2023

|  |           |                       |                                    |
|--|-----------|-----------------------|------------------------------------|
| Odor threshold:                        | N.D.      | Viscosity, kinematic: | ≥83,333 mm <sup>2</sup> /s @ 23 °C |
| Solubility in H <sub>2</sub> O:        | Insoluble | Volatile by weight:   |                                    |
| 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.; Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Does not decompose when used and stored as recommended., Carbon monoxide, carbon dioxide, aldehydes.

## 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                     | GHS LD50: rat > 15,000 mg/kg<br>GHS LD50: rabbit 23,000 mg/kg  |
| 1,6-Hexanediol diglycidyl ether | GHS LD50: rat 3,741 mg/kg<br>GHS LD50: rat > 2,000 mg/kg   |
| Hexaoxa-silaheptadecane         | Dermal LD50: Rat > 2,000 mg/kg   |
| Bisphenol A                     | Oral LD50: Rat 3,300 mg/kg<br>Dermal LD50: Rabbit 3,000 mg/kg<br>Inhalation LC50: Rat > 170 mg/m <sup>3</sup> /6 h |
| Crystalline silica              | N.D.   |
| Cashew nutshell liquid          | Oral LD50: Rat > 1,000 mg/kg<br>Dermal LD50: Rat > 2,000 mg/kg   |

**Skin corrosion/irritation:** Category 2 - Causes skin irritation.

Components contributing to classification: Epoxy resin. 1,6-Hexanediol diglycidyl ether.

**Serious eye damage/eye irritation:** Category 1 - Causes serious eye damage.

Components contributing to classification: Epoxy resin. 1,6-Hexanediol diglycidyl ether. Bisphenol A.

**Skin sensitization:** Category 1A - May cause an allergic skin reaction.

Components contributing to classification: Epoxy resin. 1,6-Hexanediol diglycidyl ether. Bisphenol A. Cashew

nutshell liquid.

**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: Bisphenol A.

**Specific target organ systemic toxicity (single exposure):** Category 1 - Causes damage to organs.(Respiratory system)

Components contributing to classification: Bisphenol A.

**Specific target organ systemic toxicity (repeated exposure):** Category 2 - May cause damage to organs through prolonged or repeated exposure.(intestinal tract, Stomach, Respiratory system)

Components contributing to classification: Hexaoxa-silaheptadecane. Bisphenol A.

**Aspiration hazard:** No classification proposed

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY:

| Chemical Name                   | Ecotoxicity   |
|---------------------------------|---|
| Epoxy resin                     | <u>Fish:</u> Oncorhynchus mykiss 2 mg/196 h semi-static<br><u>Invertebrates:</u> Daphnia magna 1.8 mg/148 h Static<br><u>Plants:</u> Sclerostema capricornutum 11 mg/172 h Static   |
| 1,6-Hexanediol diglycidyl ether | <u>Fish:</u> Oncorhynchus mykiss 30 mg/196 h semi-static<br><u>Invertebrates:</u> Daphnia magna 47 mg/124 h Static  |
| Hexaoxa-silaheptadecane         | N.D.  |
| Bisphenol A                     | <u>Fish:</u> Oncorhynchus mykiss 4 mg/196 h<br>Brachydanio rerio 9.9 mg/196 h Static<br>Pimephales promelas 4.6 mg/196 h<br><u>Invertebrates:</u> Daphnia magna 10.2 mg/148 h<br>Daphnia magna 3.9 mg/148 h<br>Daphnia magna 9.2 - 11.4 mg/148 h Static<br>Daphnia magna > 3.16 mg/121 d semi-static<br><u>Plants:</u> Pseudokirchneriella subcapitata 2.5 mg/196 h |
| Crystalline silica              | N.D.  |
| Cashew nutshell liquid          | 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, solid, n.o.s.  
**Hazard Class:** 9  
**Secondary hazard:** None  
**UN/NA Number:** 3077  
**Packing group:** III  
**Emergency Response Guide Number:** 171

**IATA Cargo**

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s.  
**Hazard Class:** 9  
**Hazard class:** None  
**UN number:** 3077  
**Packing group:** III  
**EmS:** 9L

**IMDG**

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s.  
**Hazard Class:** 9  
**Hazard class:** None  
**UN number:** 3077  
**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.

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

**AUSTRALIA INVENTORY OF EXISTING CHEMICAL SUBSTANCES (AICS):**

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

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

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

**Effective Date:** 03/17/2023

|                   |
|-------------------|
| <b>DISCLAIMER</b> |
|-------------------|

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.