

# AUSTRALIA GHS Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: FUSOR 112B, 113B METAL BONDING ADH PT.A Product Use/Class: ACRYLIC ADHESIVE, PART 1 OF 2

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Telephone: 814 868-3180

Non-Transportation Emergency: 814 763-2345 Chemtree 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

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Australia Wide - 24 Hr Emergency Number

1800-033-111

**EFFECTIVE DATE:** 08/04/2022

## 2. HAZARDS IDENTIFICATION

### **GHS CLASSIFICATION:**

Flammable liquids Category 2

Acute toxicity Dermal Category 4 - 46.2% of the mixture consists of ingredient(s) of unknown toxicity.

Skin corrosion/irritation Category 1B

Serious eye damage/eye irritation Category 1

Skin sensitization Category 1

Respiratory sensitization Category 1

Carcinogenicity Category 2

Reproductive toxicity Category 2

Specific target organ systemic toxicity (single exposure) Category 3

Specific target organ systemic toxicity (single exposure) Category 1 Respiratory system

Specific target organ systemic toxicity (repeated exposure) Category 1 Respiratory system, Nervous 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**

Highly flammable liquid and vapor.

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Harmful in contact with skin.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause drowsiness or dizziness.

May cause respiratory irritation.

Causes damage to organs.(Respiratory system)

Causes damage to organs through prolonged or repeated exposure. (Respiratory system, Nervous System)

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

### **Precautionary statements**

#### Prevention

Keep away from heat, sparks, open flames, hot surfaces. - No smoking.

Ground, bond container and receiving equipment.

Use explosion-proof electrical, ventilating, lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves, protective clothing, eye protection, face protection.

Use personal protective equipment as required.

In case of inadequate ventilation wear respiratory protection.

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

In case of fire: refer to section 5 of SDS for extinguishing media.

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 cool.

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:** May be absorbed through the skin in harmful amounts. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. May cause headache and nausea. May be harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

**Chronic:** IARC has designated Alpha methyl styrene to be in Group 2B - possibly carcinogenic to humans. 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

Chemical Name	CAS Number	Range
Methyl methacrylate	80-62-6	45 - 50 %
Methacrylate phosphate ester	PROPRIETARY	1 - 5 %
Methacrylic acid	79-41-4	1 - 5 %
Methacrylate blend	PROPRIETARY	1 - 5 %
Alpha methyl styrene	98-83-9	0.1 - 0.9 %
Crystalline silica	14808-60-7	0.1 - 0.9 %
Methacrylate monomer	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:** Flammable liquid and vapor. Keep container tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. 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:** Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). 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. Using non-sparking tools, scoop the spilled material into a 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. Ground and bond containers when transferring material. 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. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

STORAGE: Store only in well-ventilated areas. Keep container closed when not in use.

**INCOMPATIBILITY:** Inorganic acids, organic acids, caustics, oxidizing agents, amines, peroxides.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### COMPONENT EXPOSURE LIMIT

Methyl methacrylate	80-62-6	Australia STEL: 100 ppm, 416 mg/m3 Australia TWA: 50 ppm, 208 mg/m3 ACGIH-STEL: 100 ppm ACGIH-TWA: 50 ppm
Methacrylate phosphate ester	PROPRIETARY	Not established
Methacrylic acid	79-41-4	Australia TWA: 20 ppm, 70 mg/m3 ACGIH-TWA: 20 ppm
Methacrylate blend	PROPRIETARY	Not established
Alpha methyl styrene	98-83-9	Australia STEL: 100 ppm, 483 mg/m3 Australia TWA: 50 ppm, 242 mg/m3 ACGIH-TWA: 10 ppm
Crystalline silica	14808-60-7	Not established
Methacrylate monomer	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. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

#### 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. If contact with the product is prolonged or repeated, Silver Shield or Butyl rubber gloves are recommended.

**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.

Odor: Acrylic **Vapor Pressure:** N.D. Appearance: Vapor density: Heavier than Air Off-white Physical state: Lower explosion limit: 1.6 %(V) Paste 8.8 %(V) Flash point: 60 °F, 15 °C Setaflash Upper explosive limit: Closed Cup **Boiling range: Evaporation rate:** Faster than n-butyl-N.A. acetate. Autoignition temperature: N.D. Density: 1.06 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: 0.04 %

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:** Storage above 100 degrees F and below 32 degrees F. Exposure to sunlight, ultraviolet light irradiation. Avoid dropping or puncture of containers.

INCOMPATIBILITY: Inorganic acids, organic acids, caustics, oxidizing agents, amines, peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen.

### 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 Dermal: Category 4 - Harmful in contact with skin.

Components contributing to classification: Methyl methacrylate. Methacrylic acid. Methacrylate blend.

Chemical Name	<u>LD50/LC50</u>
Methyl methacrylate	Oral LD50: Rat 8,420 - 10,000 mg/kg
	Dermal LD50: Rabbit > 5 g/kg
	Dermal LD50: Rabbit 5,000 - 7,500 mg/kg
	Inhalation LC50: Rat 78 mg/l /4 hInhalation LC50: Rat 29.8 mg/l /4 h
Methacrylate phosphate ester	Oral LD50: rat > 5,000 mg/kg
Methacrylic acid	Oral LD50: Rat 1,060 mg/kg
	Dermal LD50: Rabbit 500 - 1,000 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
Methacrylate blend	Oral LD50: rat > 5,000 mg/kg
	Dermal LD50: rat $> 2,000 \text{ mg/kg}$
	Dermal LD50: Rat > 2,000 mg/kg
	Inhalation LC50: Mouse 55 mg/l/3 h
Alpha methyl styrene	Oral LD50: Rat 4,900 mg/kg
	Dermal LD50: Rabbit 14,560 mg/kg
	Inhalation LC50: Rat 22.85 mg/l /6 h
Crystalline silica	N.D.
Methacrylate monomer	Oral LD50: Rat 5,050 mg/kg
-	Dermal LD50: Rabbit > 3,000 mg/kg

**Skin corrosion/irritation:** Category 1B - Causes severe skin burns and eye damage.

Components contributing to classification: Methyl methacrylate. Methacrylate phosphate ester. Methacrylate blend.

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

Components contributing to classification: Methyl methacrylate. Methacrylate phosphate ester. Methacrylic acid. Methacrylate blend.

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

Components contributing to classification: Methyl methacrylate. Methacrylate phosphate ester. Methacrylate blend. Methacrylate monomer.

**Respiratory sensitization:** Category 1 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Components contributing to classification: Methyl methacrylate.

Germ cell mutagenicity: No classification proposed

Carcinogenicity: Category 2 - Suspected of causing cancer.

Components contributing to classification: Alpha methyl styrene.

Reproductive toxicity: Category 2 - Suspected of damaging fertility or the unborn child.

Components contributing to classification: Alpha methyl styrene.

**Specific target organ systemic toxicity (single exposure):** Category 3 - May cause drowsiness or dizziness. Components contributing to classification: Methyl methacrylate.

Specific target organ systemic toxicity (single exposure): Category 3 - May cause respiratory irritation.

Components contributing to classification: Methyl methacrylate.

Specific target organ systemic toxicity (single exposure): Category 1 - Causes damage to

organs.(Respiratory system)

Components contributing to classification: Methyl methacrylate. Methacrylic acid.

**Specific target organ systemic toxicity (repeated exposure):** Category 1 - Causes damage to organs through prolonged or repeated exposure.(Respiratory system, Nervous System)

Components contributing to classification: Methyl methacrylate. Methacrylic acid.

Aspiration hazard: No classification proposed

## 12. ECOLOGICAL INFORMATION

### **ECOTOXICITY:**

Chemical Name	<b>Ecotoxicity</b>
Methyl methacrylate	Fish: Pimephales promelas 243 - 275 mg/l96 h Flow through
	Pimephales promelas 125.5 - 190.7 mg/l96 h Static
	Lepomis macrochirus 170 - 206 mg/l96 h Flow through
	Lepomis macrochirus 153.9 - 341.8 mg/l96 h Static
	Oncorhynchus mykiss > 79 mg/l96 h Flow through
	Oncorhynchus mykiss > 79 mg/l96 h Static
	Poecilia reticulata 326.4 - 426.9 mg/l96 h Static
	Invertebrates: Daphnia magna 69 mg/148 h
	Daphnia magna 37 mg/l21 d semi-static
	Plants: Pseudokirchneriella subcapitata 170 mg/l96 h
Methacrylate phosphate ester	Fish: Oncorhynchus mykiss > 112 mg/l96 h Static
Methacrylic acid	Fish: Oncorhynchus mykiss 85 mg/l96 h Flow through
-	Invertebrates: Daphnia magna >= 53 mg/l21 d semi-static
Methacrylate blend	Fish: Danio rerio 590 mg/l96 h Flow through
_	Invertebrates: Daphnia magna 37 mg/l21 d semi-static
Alpha methyl styrene	Fish: Danio rerio 2.97 mg/l96 h Static
1 3 3	Invertebrates: Daphnia magna 0.401 mg/l21 d Not specified
Crystalline silica	N.D.
Methacrylate monomer	Fish: Pimephales promelas 213 - 242 mg/l96 h Flow through
	Pimephales promelas 227 mg/l96 h
	Invertebrates: Daphnia magna 24.1 mg/l21 d 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

IATA Cargo

**Proper shipping name:** Adhesives

Hazard Class:3Hazard class:NoneUN number:1133Packing group:IIEmS:3L

## **IMDG**

**Proper shipping name:** Adhesives

Hazard Class:

Hazard class:

None
UN number:

Packing group:

II

EmS:

F-E; S-D

The listed transportation classification applies to IATA Cargo and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors for your country or particular locality. 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:** 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.