



## 1. Identification of the substance/mixture and of the Company/undertaking:

### 1.1 Product identifier:

Product Name: frog bond

### 1.2 Relevant identified use:

Relevant use: Dental professional use: Bonding for dental filling material.

### 1.3 Details of the supplier of the Safety Data Sheet:

#### **Manufacturer / Supplier**

SDI Limited  
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## 2. Hazard Identification

Classification of the substance/mixture:

Signal word: **WARNING**



Skin Irrit. 2

Eye Irrit. 2

Skin sensitisation (Category 1)

Aquatic Chronic 3



## 2. Hazard Identification

Hazard statement(s):

- H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

Prevention:

- P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

Response:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.  
P321 Specific treatment (see supplemental first aid instructions in the instructions and first aid section).  
P332+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

Disposal:

- P501 Dispose of contents/ container to an approved waste disposal plant.

## 3. Composition / Information on Ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
2-Hydroxyethyl Methacrylate	868-77-9	25-50%
Methacrylate		25-50%
Acidic Monomer		5-15%

**Hazard classification:** Skin Irrit. 2; Eye Irrit. 2; Skin sensitisation (Category 1); Aquatic Chronic 3: H315; H317; H319; H412.



#### **4. First Aid Measures**

Eye (contact): Flush opened eye with running water for 15 minutes. Seek medical attention.

Skin (contact): Remove contaminated clothing. Wash skin with plenty of water. If irritation occurs seek medical attention.

Ingestion: Drink plenty of water. Seek medical attention if discomfort continues.

Inhalation: Remove victim from exposure to fresh air. If rapid recovery does not occur or if feeling unwell, seek urgent medical attention.

Most important effects, acute and delayed:

The most important known symptoms and effects are described in section 2 and/or in section 11.

Indication of any immediate medical attention and special treatment needed: No data available.

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#### **5. Fire Fighting Measures**

Suitable Extinguishing Media: Foam, dry chemical, carbon dioxide.

Unusual Fire and Explosion Hazards: None.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the mixture: No data available.

Special Protective Equipment: Wear approved self-contained breathing apparatus, full protective clothing along with protective equipment.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

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#### **6. Accidental Release Measures**

Personal Precautions: Do not get into eyes, on skin or clothing.

Environmental Precautions: Prevent product from entering drains, surface water or ground water.

Method for Cleaning and containment of Spills: Contain with absorbent material (e.g. sand, diatomaceous earth) and dispose of in accordance with local regulations.

Removal of ignition sources, provision of sufficient ventilation, control of dust:  
Eliminate all sources of ignition.  
Increase ventilation.

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## 7. Handling and Storage

### Precautions for safe handling:

No special measures required.

### Conditions for safe storage, including any incompatibilities:

Refrigerate at temperatures between 2°C and 8°C (35°F - 45°F).

### Specific end use:

Apart from the use mentioned in section 1.2, there are no other uses for the product.

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## 8. Exposure Controls / Personal Protection

### Control parameters:

### Occupational exposure limits (NOHSC, NIOSH, OSHA, ACGIH):

Not listed.

### Respiratory Protection:

None required under normal conditions of use.

### Hand Protection:

Latex or rubber gloves.

### Eye Protection:

Safety glasses or goggles

### General Safety and Hygiene Measures:

None

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## 9. Physical and Chemical Properties

### Appearance:

Slightly viscous yellow liquid

### Odour:

Slightly characteristic odour

### Boiling Point:

Not applicable

### Melting Point:

Not applicable

### Specific Gravity:

1.11 g / cm<sup>3</sup>

### Flash Point:

Not applicable

### Flammable:

Not flammable

### Autoflammability:

Not applicable

### Relative density:

Not established

### Auto-ignition temperature:

Not applicable

### Decomposition temperature:

Not established

### Initial boiling point and boiling range:

Not established

### pH:

Not established



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## 9. Physical and Chemical Properties

Explosive Properties:	Does not present an explosion hazard
Oxidising Properties:	Not applicable
Vapour Pressure (@ 20°C):	Not applicable
Vapour Density:	<1.0
Solubility:	Partially miscible with water

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## 10. Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Avoid excessive heat.
Materials to Avoid:	None.
Hazardous Decomposition Products:	None when used as directed.
Hazardous Reactivity (Polymerization):	No hazardous reactions known.

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## 11. Toxicological Information

Acute Toxicity:	Contact with skin and eyes may cause irritation.
Serious eye damage/eye irritation:	Irritating to eyes.
Respiratory or skin sensitisation:	Not expected to cause respiratory sensitisation, may be respiratory irritant. May cause skin sensitisation.
Inhalation (powder)	May be irritating.
Ingestion:	Irritation not likely in small amounts.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  (IARC: International Agency for Research on Cancer, by the World Health Organisation (WHO)).
Reproductive toxicity:	No data available.
Specific target organ toxicity – single exposure:	May cause irritation to eyes, skin and inhalation.
Specific target organ toxicity – repeated exposure:	No data available
Aspiration hazard:	No data available

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## 12. Ecological Information

Self-Assessment:	Not readily biodegradable. Avoid large quantities entering drains, surface water or ground water.
Ecotoxicity:	No data available.
Persistence and biodegradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT and VPvB assessment:	PBT/VPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	No data available.

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## 13. Disposal Considerations

Dispose of contents/ container in accordance with local official regulations.	
Contaminated packaging:	Dispose of contaminated packaging as hazardous waste in accordance with local official regulations.

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## 14. Transport Information

Frog Bond is not classified as Dangerous Goods for air, sea, rail or road transport.

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## 15. Regulatory Information

This product is regulated by:	TGA Medical Devices Directive 93/42/EEC FDA National regulations
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## 16. Other Information

<b>Prepared by:</b>	SDI Limited 3-13 Brunsdon Street, Bayswater Victoria, 3153, Australia	<b>Phone Number:</b> +61 3 8727 7111
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The information contained in the Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.

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**Department issuing SDS:** Research and Development

**Contact:** R&D Director

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