



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

### 1.1 Product identifier:

Product Name: Riva Bond LC liquid

### 1.2 Relevant identified use:

Recommended use:

Professional dental use: Riva Bond LC liquid is to be used with the Riva Bond LC powder as a light-cured dental cement bond for dental restorations by dental professionals.

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

#### **Manufacturer / Supplier**

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## 2. Hazard Identification

Classification of the substance/mixture:

**SIGNAL WORD: WARNING**



Skin Irrit. 2  
Eye Irrit. 2  
STOT SE 3 (Respiratory tract)  
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
- H335 May cause respiratory irritation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

Prevention:

- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P264 Wash skin thoroughly after handling.
- P271 Use in a well-ventilated area.
- 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.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- 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.

Storage:

- P403+R233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Disposal:

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

Other: Materials in the liquid are irritants. However, under normal conditions of use, contact with these materials is generally not expected.

## 3. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
<b>Liquid:</b>		
Polyacrylic Acid	9003-01-4	15-25
Tartaric Acid	87-69-4	1-5
2-Hydroxyethyl Methacrylate	868-77-9	25-40
Dimethacrylate Cross-linker	-	5-15
Acidic Monomer	-	10-20

Hazard classification:

Skin Irrit. 2; Eye Irrit. 2; Skin sensitisation (Category 1); STOT SE 3 (Respiratory tract); Aquatic Chronic 3 :H315; H317; H319; H335; H412.



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

- Eye (contact): Flush opened eye with running water for at least 5 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.
- 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.  
Use personal protective equipment.  
Avoid breathing vapours, mist or gas.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Ensure an eye bath and safety shower are available and ready for use.  
Wash thoroughly after handling.  
For personal protection see section 8.
- Environmental precautions: Prevent any spillage from entering waterways, drains or sewage system. Use protective eyewear, respiratory protection and latex gloves when handling. Clear up spillages. Transfer to a container for disposal.
- Methods for cleaning up and containment: Mop with absorbent paper or cloth. Wash the spillage area clean with water. Do not let product enter drains. Dispose of as hazardous waste in accordance with official national 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:

Store in a cool place at temperatures between 4°C and 25°C (39° - 77°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 and personal protection

Control parameters:

Occupational exposure limits (NOHSC, NIOSH, OSHA, ACGIH): Not listed.

Respiratory protection: None required under normal conditions of use.

Hand protection: Rubber, latex or PVC gloves.

Eye protection: Recommended- safety goggles or glasses.

General safety and hygiene measures: None.

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## 9. Physical and chemical properties

Appearance: Slightly yellowish liquid

Odour: Slightly characteristic odour

Boiling point: Approx. 100°C (212°F)

Melting point: Not applicable

Specific gravity: 1.2 g/cm<sup>3</sup>

Flash point: Not applicable

Flammable: Not flammable

Autoflammability: Not applicable

Explosive properties: Does not present an explosion hazard

Oxidizing properties: Not applicable

Vapour pressure (@ 20°C): Approx. 23 hPa

Relative density: <1.0

Solubility: Miscible

Decomposition temperature: not established

pH: 1-2

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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, respiratory tract and eyes may cause irritation.
Serious eye damage/eye irritation:	Irritating to eyes.
Skin corrosion/irritation:	Skin irritant.
Respiratory or skin sensitisation:	Not expected to cause respiratory sensitisation, may be respiratory irritant. May cause skin sensitisation.
Ingestion:	Irritant 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 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

This product is not considered to be a dangerous good within the meaning of transportation regulations.

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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

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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