



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

1.1 Product identifier:

Product Name: Riva Light Cure (liquid)

1.2 Relevant identified use:

Relevant use:

Dental professional; use: Liquid for the making of light-cured dental restorative cement, when mixed with Riva Light Cure powder.

1.3 Details of the supplier of the Safety Data Sheet:

Manufacturer / Supplier

SDI Limited
3-13 Brunsdon Street, Bayswater
Victoria, 3153, Australia

SDI (North America) Inc.
1279 Hamilton Parkway
Itasca, IL60143, USA

Telephone:

+61 3 8727 7111 (Business hours)

Telephone:

+1 630 361 9200 (Business hours)

Southern Dental Industries Ltd
Block 8, St Johns Court
Swords Road
Santry, Dublin 9, Ireland

SDI Brasil Indústria e Comércio Ltda
Rua Dr. Virgílio de Carvalho Pinto, 612
Pinheiros, São Paulo, 05415-020
Brasil

Telephone:

+353 1 886 9577 (Business Hours)

Telephone:

+ 55 11 3092 7100 (Business Hours)

Emergency contact number:

+61 3 8727 7111

Email: ray.cahill@sdi.com.au (Technical Director, SDI Limited)

2. Hazard Identification

Classification of the substance/mixture:

SIGNAL WORD: WARNING



GHS Classification:

Specific target organ toxicity - single exposure (Category 3)

Skin sensitisation (Category 1)

Skin Irrit 2

Eye Irrit 2



Materials in the two compartments are irritants. However, under normal conditions of use, contact with these materials by the user is generally not expected.

Hazard statement(s):

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

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.
- 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 hazards: None.

3. Composition / Information on Ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
Polyacrylic Acid	9003-01-4	15-25
Tartaric Acid	87-69-4	1-5
2-Hydroxyethyl Methacrylate	868-77-9	20-30
Dimethacrylate Cross-linker		10-25
Acidic Monomer		10-20

Hazard Classification:

Specific target organ toxicity - single exposure (Category 3); Skin sensitisation (Category 1); Skin Irrit 2; Eye Irrit 2: H315; H317; H319; H335.



4. First Aid Measures

- Eye (contact): Flush opened eye with running water for 15 minutes. Seek medical attention.
- Skin (contact): Immediately remove contaminated clothing. Wash skin with plenty of water. If irritation occurs seek medical attention.
- Inhalation: Remove to fresh air. Seek medical attention if irritation develops or if feeling unwell.
- Ingestion: Immediately drink plenty of water. Do NOT induce vomiting. Seek 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.

5. Fire Fighting Measures

- Suitable Extinguishing Media: Foam type.
- Unusual Fire and Explosion Hazards: None.
- Unsuitable extinguishing media: None known.
- Specific hazards arising from the mixture: No data available.
- Special Protective Equipment: No special protective equipment required for small quantity.
For large quantity, wear approved respirator and protective gear. Use water spray to cool.
- 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.
For personal protection see section 8.
- Environmental precautions: Do not let product enter drains.
- Method for cleaning and containment of spills: Mop up with absorbent paper or cloth.
Keep in suitable closed containers for disposal.
Wash the spillage area clean with water.
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7. Handling and storage

Precautions for safe handling: Store sealed containers away from heat and light.

Conditions for safe storage, including any biocompatibilities:

Storage by the end user (Dental Clinic) is recommended to be at temperatures between 4° - 20°C (39° - 68°F) and should be kept away from direct sunlight.

Distribution:

During distribution, to our customers, this product can be transported in non-refrigerated conditions between 15° to 25° C. This product can also withstand temperatures up to 40° C for short periods (2 to 3 days) and intermittent peaks up to 50° C.

Specific end use:

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

8. Exposure Controls / Personal Protection

Control parameters:

Occupational exposure limits: Not aware of any national exposure limit.

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at end of workday.

Personal protective equipment:

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.

9. Physical and Chemical Properties

Appearance:

Slightly yellow liquid

Odour:

Slightly characteristic odour

Boiling Point:

Approx. 100°C (212°F)

Melting Point:

Not applicable

Specific Gravity:

1.14 g / cm³

Flash Point:

Not applicable

Flammable:

Not flammable

Autoflammability:

Not applicable

Explosive Properties:

Does not present an explosion hazard

Oxidising Properties:

Not applicable



9. Physical and Chemical Properties

Vapour Pressure (@ 20°C):	Approx. 23 hPa
Vapour Density:	<1.0
Solubility:	Miscible
Relative density:	See specific gravity
Auto-ignition temperature:	Not established
Decomposition temperature:	Not established
Melting point:	Not applicable
Initial boiling point and boiling range:	Not established
pH:	Not applicable

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.

11. Toxicological Information

Acute toxicity:	Contact with skin, eyes and respiratory tract may cause irritation.
Serious eye damage/irritation:	Irritating to eyes.
Skin corrosion/irritation:	Possible skin irritant.
Respiratory or skin sensitisation:	Not expected due to product containment and dosage size.
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.



11. Toxicological Information

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.

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.

13. Disposal Considerations

Dispose in accordance with local official regulations.

Contaminated packaging:

Dispose of contaminated packaging as hazardous waste in accordance with local official regulations.

14. Transport Information

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



15. Regulatory Information

This product is regulated by: TGA

Medical Devices Directive 93/42/EEC
FDA
National regulations

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.

Prepared by: SDI Limited
3-13 Brunsdon Street, Bayswater
Victoria, 3153, Australia

Phone Number:
+61 3 8727 7111

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Department issuing SDS: Research and Development

Contact: R&D Director
