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

1.1 Product identifier:

Product Name: Dipping Resin

1.2 Relevant identified use:

Relevant use:

Dental professional use: Dental material used to assist the modelling of resin-based material.

1.3 Details of the supplier of the Safety Data Sheet:

Manufacturer / Supplier

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

Telephone:

+61 3 8727 7111 (Business hours)

SDI (North America) Inc.
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Telephone:

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Southern Dental Industries Ltd
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Swords Road
Santry, Dublin 9, Ireland

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+353 1 886 9577 (Business Hours)

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

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:

Product may be irritating to skin, eye and mucous membrane. Ingestion of un-polymerised material may cause gastric irritation. Anyone with known resin allergies must not use this product without consulting a specialist.

SIGNAL WORD: WARNING:

Ingestion of unpolymerised material may cause gastric irritation. In isolated cases, contact allergies have been reported with acrylic resins. Anyone with known history of resin allergies are advised to seek the advice of a specialist before use.

2. Hazard Identification...continued

GHS Classification:
Skin Sens. 1

Hazard statements:
H317 May cause an allergic skin reaction.

Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapour/spray..
P272 Contaminated work clothing should not be allowed out of the workspace.
P280 Wear protective gloves.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 For specific treatment, refer to First Aid Instructions.
P363 Wash contaminated clothing before reuse.

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

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3. Composition / Information on ingredients

Composition:	CAS No.	Wt. %
Acrylic monomer	-	100.00

Hazard Classification:

Skin Sens. 1: H317

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4. First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye (contact): Flush opened eye with running water for at least 5 minutes. Seek medical attention.

Skin (contact): Remove contaminated clothing. Wash skin with soap and water. In case of allergic reaction, seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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:	Water-spray, Sand, chemical foam, carbon dioxide, dry chemicals.
Unusual Fire and Explosion Hazards:	Heat can cause polymerization with rapid release of energy which may melt the container.
Unsuitable extinguishing media:	No data available.

Indication given whether any extinguishing media are inappropriate for a particular situation involving the mixture:
- No data available.

Specific hazards arising from the mixture:	Carbon oxides.
Special protective equipment:	No special measures required for small quantity. For large quantity, wear approved respirator and protective gear. Use water spray to cool container.
Advice for firefighters:	Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

Personal precautions:	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:	Prevent any spillage from entering waterways, drains or sewage system.
Method for cleaning and containment of spills:	Mop up with inert absorbent towel or paper. Wipe residue with acetone or ethanol. Dispose of as hazardous waste.

7. Handling and storage

Precautions for safe handling:	Store sealed containers away from heat and light. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.

Conditions for safe storage, including any biocompatibilities:
Storage is recommended to be at temperatures between 10^{o} - 25^{o}C (50^{o} - 77^{o}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^{o} to 25^{o} C. This product can also withstand temperatures up to 40^{o} C for short periods (2 to 3 days) and intermittent peaks up to 50^{o} C.

7. Handling and storage…continued

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

8. Exposure controls and personal protection

Control parameters:
Occupational Exposure Limits: We are not aware of any national exposure limit.

Exposure controls:
Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory protection: None required under normal conditions of use. Where risk assessment shows air-purifying respirators, use a full-face respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Rubber, latex or PVC gloves.

Eye protection: Safety glasses, goggles or face shield.

General safety and hygiene measures: Follow good housekeeping practices and good industrial hygiene in handling this material. Remove any naked lights or strong heat sources.

9. Physical and chemical properties

Appearance:	Clear, pale yellow slightly viscous liquid.
Odour:	Ester like.
Boiling point:	Gel before boiling.
Melting point:	Not established.
Specific gravity:	1.15
Flash point:	Not applicable
Flammable:	Not established.
Autoflammability:	Do not self ignite.
Explosive properties:	Do not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20^{o}C):	Not established.
Relative density:	Not established.

9. Physical and chemical properties…continued

Solubility:	Insoluble in water
Relative density:	Not known
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Melting point:	Not applicable
Initial boiling point and boiling range:	Not established
pH :	Not applicable.

10. Stability and Reactivity

Chemical Stability:	Stable under recommended conditions.
Conditions to avoid:	Avoid heat, ignition sources, aging, contamination and intense visible light.
Incompatible materials:	Free radical formers, e.g. peroxides, reducing substances and / or heavy metals ions. Reacts violently with bromoform and chloroform in the presence of alkalis or in contact with alkaline surfaces. Decomposes violently in contact with nitric / sulfuric acid mixtures.
Hazardous decomposition products:	None under normal conditions; oxides of carbon when burned.
Hazardous reactivity (polymerization):	Heat and intense light can cause polymerization. Spontaneous polymerization may occur in the presence of radical formers. May polymerize under these conditions with heat evolution. May ignite in the presence of sparks or naked flame.

11. Toxicological information

Acute toxicity:	Irritating to skin, eye and mucous membrane.
Serious eye damage/irritation:	May cause irritation due to foreign body reaction.
Skin corrosion/irritation:	Possible skin irritant.
Respiratory or skin sensitisation:	Possible respiratory irritant. No sensitizing effect known. In isolated cases contact allergies have been reported.
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.

11. Toxicological information…continued

(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.

12. Ecological information

Self assessment:	Slightly hazardous for water. Do not allow large quantities to reach sewage system and waterways.
Ecotoxicity:	No data available.
Persistence and biodegradeability:	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 of in accordance with local official regulations.

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

14. Transport information

Dipping Resin is not classified as Dangerous Goods for air, sea, rail and road transport.

15. Regulatory information

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

16. Other information

The information provided herein is given in good faith, but no warranty expressed or implied is made.

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Department issuing SDS: Research and Development

Contact: R&D Director