



1. Substance / Preparation and Company name

Product Name: Glacier; Wave; Wave MV; Wave HV; ROK, ICE and LC Opaquer

Recommended use: For filling of cavitated teeth by dental professionals.

Manufacturer / Supplier

SDI Limited
5-9 Brunsdon Street, Bayswater
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Telephone:

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2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
Acrylic monomer	-	18.0 – 40.0
Balance ingredient (non-hazardous)		60.0 – 82.0

3. Hazard Identification

Products may cause irritation to the skin, eye and mucous membrane. 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.

Risk phrases - **36/37/38:** Irritating to eyes, respiratory system and skin.

Safety phrases - **26/28:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with soap and water.

- **3/15/16:** Keep in a cool place, away from heat and sources of ignition.

- **2:** Keep out of reach of children.



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 soap and water. In case of allergic reaction, seek medical attention.
Ingestion:	Seek medical attention.
Inhalation:	None expected.

5. Fire Fighting Measures

Suitable extinguishing media:	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.
Special protective equipment:	No special measures required for small quantity (less than 1 kg). For large quantity, wear approved respirator and protective gear. Use water spray to cool container.

6. Accidental Release Measures

Personal precautions:	Not required.
Environmental precautions:	Prevent any spillage from entering waterways, drains or sewage system.
Methods for cleaning up:	Scoop up bulk material and transfer to containers for disposal.

7. Handling and storage

Handling

Replace caps immediately after use.

Storage

Store in a cool place at temperatures between 10°C and 25°C (50° - 77°F). Keep out of direct light.



8. Exposure controls and personal protection

Respiratory protection:	None required under normal conditions of use
Hand protection:	Rubber, latex or PVC gloves.
Eye protection:	Not absolutely necessary
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:	Tooth coloured viscous / flowable paste.
Odour:	Ester like.
Boiling point:	Gel before boiling.
Melting point:	Not established.
Specific gravity:	1.5 - 2.0
Flash point:	Not established.
Flammable:	Not established.
Autoflammability:	Do not self ignite.
Explosive properties:	Do not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20°C):	0 mbar
Relative density:	Not established.
Solubility:	Insoluble in water.



10. Stability and Reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid heat, ignition sources, aging, contamination and intense visible light.
Materials to avoid:	Free radical formers, e.g. peroxides, reducing substances and / or heavy metals ions.
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.

11. Toxicological information

Acute toxicity:	May be irritating to skin, eye and mucous membrane.
Sensitization:	No sensitizing effect known. In isolated cases contact allergies have been reported.
Inhalation:	None expected.

12. Ecological information

Self assessment:	Slightly hazardous for water. Do not allow large quantities to reach sewage system and waterways.
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13. Disposal considerations

Dispose of in accordance with local official regulations.

14. Transport information

Glacier, Wave, Wave MV, Wave HV, Rok, Ice and LC Opaquer are not classified as Dangerous Goods for air, sea, rail or road transport.



15. Regulatory information

These products are regulated by:

TGA
Medical Devices 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.

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

Phone Number:
+61 3 8727 7111

Department issuing MSDS: Research and Development
Contact: Operations Director



1. Substance / Preparation and Company name

Product Name: Super Etch, Super Etch LV and Acid Etch Gel / Liquid

Recommended use: For etching of tooth surfaces by dental professionals.

Manufacturer / SupplierSDI Limited
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2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
Phosphoric acid	7664-38-2	37.0
Balance ingredient (non-hazardous)		63.0

3. Hazard Identification

Product is corrosive and may cause destruction of tissue or burns when comes in contact.

Risk phrases – **34/41:** Causes burns to skin and eyes.

Safety phrases – **1/2:** Keep locked up and out of reach of children.
24/25: Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.
28 After contact with skin, wash immediately with plenty of water.

4. First Aid Measures

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

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

Ingestion: Do not induce vomiting, drink water / milk. Seek medical attention.



5. Fire Fighting Measures

Suitable extinguishing media: Water.

Unusual Fire and Explosion

Hazards: Heat may cause evolution of corrosive fumes.

Special protective equipment: Wear approved respirator and protective gear. Use water spray to cool containers.

6. Accidental Release Measures

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

Environmental precautions: Prevent large spillage from entering waterways, drains or sewage system.

Methods for cleaning up: Wear hand protection and mop up spillage with absorbent paper. Dispose according to local regulation. Clean area with a wet towel.

7. Handling and storage

Handling

Replace caps immediately after use.

Storage

Store in a cool place at temperatures between 10°C and 25°C (50° - 77°F).

8. Exposure controls and personal protection

Respiratory protection: Not required under normal conditions of use.

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.

9. Physical and chemical properties

Appearance: Blue gel.

Odour: Acrid.

Boiling point: Not applicable.

Melting point: Not applicable.

Specific gravity: 1.3

Flash point: Not applicable.

Flammable: Not flammable.

Autoflammability: Do not self ignite.



9. Physical and chemical properties (Cont'd)

Explosive properties:	Do not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20°C):	Not established.
Relative density:	Not established.
Solubility:	Soluble in water.

10. Stability and Reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid excessive heat.
Materials to avoid:	Metals and strong bases.
Hazardous decomposition products:	None under normal conditions. Corrosive fumes when heated.
Hazardous reactivity (polymerization):	Will not occur.

11. Toxicological information

CORROSIVE

Acute

Eye (contact):	Causes burns.
Skin (contact):	Causes burns.
Inhalation:	None expected under normal conditions of use.
Ingestion:	Causes burns to soft tissues of the digestive tract.

12. Ecological information

Self Assessment:	Slightly hazardous for water. Do not allow large quantities to reach sewage system and waterways.
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13. Disposal considerations

Dispose of in accordance with local official regulations.



14. Transport information

Phosphoric acid, aqueous solution UN1805 Packing Group III Class 8.

If packed in Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.

15. Regulatory information

This product is regulated by:

TGA
Medical Devices Directive 93/42/EEC
FDA
National regulations

Labelling according to NOHSC Criteria: CORROSIVE

16. Other information

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Department issuing MSDS: Research and Development
Contact Operations Director



1. Substance / Preparation and Company name

Product Name: Stae

Recommended use: For bonding of composite to tooth surfaces.

Manufacturer / SupplierSDI Limited
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2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
STAE		
Acetone	67-64-1	54.0
Acrylic monomer	-	44.0
Balance ingredient (non-hazardous)		2.0

3. Hazard Identification

Stae may be irritating to skin, eyes and mucous membranes. Stae contain acetone and therefore must be not be stored anywhere near naked flames.

Risk phrases – **36/37/38:** Irritating to eyes, respiratory system and skin

Safety phrases – **2:** Keep out of reach of children.

26/28: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with soap and water.

3/15/16: Keep in a cool place, away from heat and sources of ignition.

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 soap and water. In case of allergic reaction, seek medical attention.

Ingestion: Seek medical attention.

5. Fire Fighting Measures

Suitable extinguishing media: 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.

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.

6. Accidental Release Measures

Personal precautions: Not required.

Environmental precautions: Prevent any spillage from entering waterways, drains or sewage system.

Methods for cleaning up: Mop up with absorbent towel or paper. Dispose into waste container.



7. Handling and storage

Handling

Store sealed containers away from heat and light.

Storage

Storage by the end user (Dental Clinic) is recommended to be at temperatures between 10° - 25° C (50° - 77°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.

8. Exposure controls and personal protection

Respiratory protection:	None required under normal conditions of use.
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 low/ slightly viscous liquid.
Odour:	Ester like.
Boiling point:	Gels before boiling.
Melting point:	Not established.
Specific gravity:	0.8 - 1.15
Flash point:	- 20°C
Flammable:	approximately 3 - 13% in air.
Autoflammability:	Does not self ignite.
Explosive properties:	Does not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20°C):	Not established.
Relative density:	Not established.
Solubility:	Miscible in water

10. Stability and Reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid heat, ignition sources, aging, contamination and intense visible light.
Materials to avoid:	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.
Sensitization:	No sensitizing effect known. In isolated cases contact allergies have been reported.
Inhalation:	No side effects expected.

12. Ecological information

Self assessment:	Slightly hazardous for water. Do not allow large quantities to reach sewage system and waterways.
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13. Disposal considerations

Dispose of in accordance with local official regulations.

14. Transport information

Stae aqueous solution. Proper shipping name Acetone UN1993 Packing Group II Class 3.

If packed as Chemical kit the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.



15. Regulatory information

This product is regulated by:

TGA
Medical Devices Directive 93/42/EEC
FDA
National regulations.

16. Other information

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