



**1. Substance / Preparation and Company name**

Product Name: Stae

Recommended use: For bonding of composite to tooth surfaces.

**Manufacturer / Supplier**

SDI Limited  
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**2. Composition / Information on ingredients**

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
<b>STAE</b>		
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° - 20° C (50° - 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.

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## 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.

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## 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

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## 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.

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## 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.

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## 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.

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## 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.

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

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**Department issuing MSDS:** Research and Development  
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