



1. Substance / Preparation and Company name

Product Name: Freedom

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

Manufacturer / Supplier

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2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
Acrylic monomer	-	22.0
Balance ingredient (non-hazardous)		78.0

3. Hazard Identification

Product 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 advise 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.

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.

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

Store sealed containers away from heat and light.

Storage

Storage by the end user (Dental Clinic) is recommended to be at temperatures between 2° - 25°C (35° - 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:	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:	Polymerise before boiling.
Melting point:	Not established.
Specific gravity:	2.0
Flash point:	Not established.
Flammable:	Not established.
Autoflammability:	Do not self ignite at ambient temperature.
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



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.

13. Disposal considerations

Dispose of in accordance with local official regulations.

14. Transport information

Freedom is not classified as Dangerous Goods for air, sea, rail or 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 MSDS: Research and Development
Contact: Operations Director
