



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

1.1 Product identifier:

Product Name: Polishing Paste

1.2 Relevant identified use:

Relevant use: Dental professional use: For polishing of dental restoratives by dental professionals.

1.3 Details of the supplier of the Safety Data Sheet:

Manufacturer / Supplier

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2. Hazard Identification

Classification of the substance/mixture:

This product is not classified as hazardous.

3. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>EC No.</u>
Glycerol	56-81-5	35.0	200-289-5



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4. First Aid Measures

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

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

Ingestion: Immediately rinse mouth with water. Give water to drink. For advice, contact a doctor or Poisons Information Centre.

Inhalation: Remove to fresh air. Seek medical attention for any breathing difficulty.

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: Sand, chemical foam, carbon dioxide, dry chemicals.

Unusual Fire and Explosion

Hazards: Emits toxic fumes under fire conditions.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the mixture (i.e. Nature of any combustion products):

No data available.

Special protective equipment: Wear approved respirator and protective gear.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

Personal precautions: Not required.

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

Methods for cleaning up and containment:

Mop spillage using absorbent towel or paper. Dispose of in accordance with local regulations.

Advice on how to contain spill (eg. Bundling, covering of drains, capping procedures):

Removal of ignition sources, provision of sufficient ventilation.



Control of dust: not required.

7. Handling and storage

Precautions for safe handling: Replace caps immediately after use.

Conditions for safe storage, including any biocompatibilities:

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

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: 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 under normal conditions of use.

Hand protection: Not absolutely necessary.

Eye protection: Recommended.

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: White viscous paste.

Odour: Odourless.

Boiling point: 290°C

Melting point: 18°C

Specific gravity: Not established.

Flash point: 160°C

Flammable: Not flammable.

Autoflammability: Do not self ignite at room temperature.

Explosive properties: Do not present an explosion hazard.

pH: Not established



Oxidizing properties: Not established.
Vapour pressure (@ 20°C): <1 mmHg

9. Physical and chemical properties

Relative density: Not established.
Solubility: Miscible with water except for the Aluminium oxide present.

Relative density: Not established.
Auto-ignition temperature: Not established.
Decomposition temperature: Not established.
Initial boiling point and boiling range: Not established.

10. Stability and Reactivity

Reactivity: No data available.
Chemical Stability: Stable under recommended handling and storage conditions.
Materials to avoid: Strong oxidizing agents such as chromium trioxide, potassium chlorate or potassium permanganate - May produce an explosion.
Hazardous decomposition products: No decomposition if used according to directions.
Incompatible materials: No data available.

11. Toxicological information

Acute toxicity:

Glycerol: LD orally = 35.5 g/kg for glycerol (Merck Index).
Serious eye damage/irritation: Possible irritant.
Skin corrosion/irritation: None known.
Respiratory or skin sensitisation: None known.
Ingestion: May cause gastric irritation.
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.



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:	Product does not pose a hazard to the environment. However, do not allow large quantities to reach sewage system and waterways.
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 (such as hazardous to ozone layer):	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

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

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Contact:

R&D Director
