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Material Safety Data Sheet
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1 Product Identification

Tradename:
3M(TM) ESPE(TM) KETAC-CEM APLICAP POWDER
Product ID:
PP-ESPE-5605-4
Intended Use of Product:
DENTAL CEMENT
Division:
3M ESPE DENTAL PRODUCTS
Limitations on Use of Product:
For use by dental professionals.

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
GLASS POWDER	65997-17-3	99 - 100

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

No immediate health, physical or environmental hazards are anticipated.

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

No need for first aid is anticipated.

5 Fire Fighting Measures

Flash point: No data available.

Lower Explosive Limit (%): No data available.

Upper Explosive Limit (%): No data available.

Autoignition temperature: No data available.

Suitable Extinguishing Media:

Non-combustible. Choose material suitable for surrounding fire.

Exposure Hazards during Fire:

No data available.

Combustion Products from Fire:

None known.

Fire Fighting Procedures:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

NFPA: Health	1
NFPA: Fire	0
NFPA: Reactivity	0

NFPA: Unusual Reaction Hazard none
Special Instructions:
Not applicable.

6 Accidental Release Measures

Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Spill Response:

Collect as much of the spilled material as possible. Clean up residue. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities.

Methods for Disposal:

Dispose of waste product in a facility permitted to accept chemical waste.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

None known.

Ventilation:

No data available.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact: Safety glasses with side shields

Hand Protection:

Wear appropriate gloves when handling this material.

Skin Protection:

Gloves not normally required.

Avoid prolonged or repeated skin contact.

Respiratory Protection:

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Ingestion (Prevention):

Do not ingest.

Recommended Ventilation:

Not applicable.

Ingredient Exposure Data

GLASS POWDER (65997-17-3)**Specific Ingredient Data**

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

3M: TWA 10 mg/m3 as dust

9 Physical and Chemical Properties

Physical form, Color, Odour:	Solid; fine powder (less than 10um in diameter); light yellow colour; Odourless;
Odour Threshold:	No data available.
pH:	No data available.
Boiling point/boiling range:	No data available.
Melting point/melting range:	No data available.
Vapour pressure:	No data available.
Water Solubility:	Nil
Specific gravity:	>= 1 Water=1
Vapour density:	No data available.
Volatile organic compounds:	No data available.
Evaporation rate:	No data available.
Viscosity:	No data available.
Percent Volatile:	No data available.

10 Stability and Reactivity

Conditions to Avoid:

None known.

Materials to Avoid:

None known.

Hazardous Decomposition:

None known

Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Mechanical eye irritation: Signs/symptoms can include pain, redness, tearing and corneal abrasion.

Effects from Skin Contact:

Contact with the skin during product use is not expected to result in significant irritation.

Effects from Inhalation:

Single exposure may cause:

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

No health effects are expected.

Sensitization Information:

No data available.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment.

13 Disposal Considerations

Product as Sold:

No data available.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

TDG Classification:

Non-Regulated Material

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: Exempt (Dental Product)

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

EINECS - European Inventory of Existing Commercial Chemical Substances

CICS - Chinese Inventory of Chemical Substances

DSL - Domestic Substances List (Canada)

This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:
MSDS review, no information has changed

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---

