

# Central Supply

MATERIAL SAFETY DATA SHEET  
3M  
3M Center  
St. Paul, Minnesota  
55144-1000  
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DIVISION: 3M ESPE Dental Products  
TRADE NAME:

**KETAC-CEM RADIOPAQUE PERM GI LUTING CEMENT POWDER**  
ID NUMBER/U.P.C.:  
70-2011-0044-6 +H-44452-8992J-0  
ISSUED: December 12, 2001  
SUPERSEDES: October 03, 2001  
DOCUMENT: 16-2590-4

1. INGREDIENT	C.A.S. NO.	PERCENT
GLASS POWDER.....	65997-17-3	80.0 - 85.0
POLETHYLENE POLCARBONIC ACID.....	29132-58-9	15 - 25

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

2. PHYSICAL DATA

BOILING POINT:.....	N/A
VAPOR PRESSURE:.....	N/A
VAPOR DENSITY:.....	N/D
EVAPORATION RATE:.....	N/D
SOLUBILITY IN WATER:.....	nil
SPECIFIC GRAVITY:.....	> 1 Water=1
PERCENT VOLATILE:.....	N/D
pH:.....	N/A
VISCOSITY:.....	N/A
MELTING POINT:.....	N/D

APPEARANCE AND ODOR:  
Fine powder (less than 10um in diameter), WHITE, ODORLESS

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... N/D  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... N/A  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:  
Carbon dioxide, Dry chemical

SPECIAL 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
See Hazardous Decomposition section for products of combustion.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:  
Irritant Vapors or Gases.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:  
Observe precautions from other sections. Ventilate area. Vacuum, use wet sweeping compound or water to avoid dusting. CAUTION! A vacuum cleaner could be an ignition source. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in a closed container.

RECOMMENDED DISPOSAL:  
Incinerate in an industrial or commercial facility in the presence of a combustible material. Disposal alternative: Agglomerate and send to sanitary landfill.

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5. ENVIRONMENTAL INFORMATION (continued)  
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ENVIRONMENTAL DATA:  
Not determined.

REGULATORY INFORMATION:  
Volatile Organic Compounds: N/D.  
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:  
FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

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6. SUGGESTED FIRST AID  
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EYE CONTACT:  
Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:  
Wash affected area with soap and water.

INHALATION:  
If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:  
Do not induce vomiting. Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:  
Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:  
Avoid prolonged or repeated skin contact. Gloves not normally required.

RECOMMENDED VENTILATION:  
Use in a well-ventilated area.

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7. PRECAUTIONARY INFORMATION (continued)

RESPIRATORY PROTECTION:

Avoid prolonged breathing of dust.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.

RECOMMENDED STORAGE:

Store away from areas where product may come into contact with food or pharmaceuticals. Store at temperatures which are below 80 degrees F (26 degrees C).

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

HMS HAZARD RATINGS: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0  
PERSONAL PROTECTION: B

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
GLASS POWDER.....	10	MG/M3	TWA	3M	
POLETHYLENE POLCARBONIC ACID.....	NONE	AS DUST NONE	NONE	NONE	

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- 3M: 3M Recommended Exposure Guidelines

- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Single exposure may cause:

Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

SKIN CONTACT:

No adverse health effects are expected from skin contact.

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8. HEALTH HAZARD DATA (continued)  
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INHALATION:

Single overexposure, above recommended guidelines, may cause:

Irritation (upper respiratory): signs/symptoms can include  
soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

No adverse health effects are expected from swallowing.

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SECTION CHANGE DATES  
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PHYSICAL DATA SECTION CHANGED SINCE October 03, 2001 ISSUE

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