

**MATERIAL SAFETY
 DATA SHEET**



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DIVISION: DENTAL PRODUCTS
TRADE NAME:
 3M FILTEK P60 POSTERIOR RESTORATIVE PASTE

ID NUMBER/U.P.C.:	70-2010-2550-2	+H-44447-8662H-0	70-2010-2551-0	+H-44447-8672I-0
	70-2010-2552-8	+H-44447-8682J-0	70-2010-2580-9	+H-44447-8962K-0
	70-2010-2581-7	+H-44447-8972L-0	70-2010-2582-5	+H-44447-8982M-0
	70-2010-2605-4	+H-44447-92129-0	70-2010-2606-2	+H-44447-9222A-0
	70-2010-2607-0	+H-44447-9232B-0		

ISSUED: SEPTEMBER 8, 2000
SUPERSEDES: AUGUST 8, 2000
DOCUMENT: 08-7419-8

1. INGREDIENT	C.A.S. NO.	PERCENT		
SILICA	7631-86-9	55	-	65
ZIRCONIUM OXIDE	1314-23-4	15	-	25
11,14-dIOXA-2,9-DIAZAHEPTADEC-16- ENOIC ACID, 4,4,6,16-TETRAMETHYL- 10,15-DIOXO-, 2-[(2-METHYL-1-OXO-2- PROPENYL)OXY]ETHYL ESTER	41137-60-4	3	-	8
BISPHENOL A POLYETHYLENE GLYCOL DIETHER DIMETHACRYLATE	41637-38-1	3	-	8
METHACRYLOXYPROPYLTRIMETHOXYSILANE ...	2530-85-0	2	-	6
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE	1565-94-2	2	-	6
ALUMINUM OXIDE	1344-28-1	.5	-	1.5
TRIETHYLENE GLYCOL DIMETHACRYLATE	109-16-0	.4	-	1.2

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
 ALUMINUM OXIDE

2. PHYSICAL DATA

BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A
EVAPORATION RATE:	nil
SOLUBILITY IN WATER:	N/D
SP. GRAVITY:	ca. 2.1 g/ml
PERCENT VOLATILE:	N/D
pH:	N/A
VISCOSITY:	ca. 300000 CPS

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

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2. PHYSICAL DATA (continued)MELTING POINT..... N/D
APPEARANCE AND ODOR: TOOTH COLORED PASTE WITH SLIGHT ACRYLATE ODOR**3. FIRE AND EXPLOSION HAZARD DATA**FLASH POINT:..... N/A
FLAMMABLE LIMITS - LEL: N/D
FLAMMABLE LIMITS - UEL: N/D
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Non-combustible. Choose material suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES:
Not determined
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Not applicable.
NFPA HAZARD CODES: HEALTH: 1 FIRE: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none
OSHA FIRE HAZARD CLASS: Not applicable**4. REACTIVITY DATA**STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
None known.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
None known.**5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:
Observe precautions from other sections. Ventilate area. Contain spill. Cover with inorganic absorbent material. Collect spilled material. 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:
Dispose of waste product in a sanitary landfill. Disposal alternative: Incinerate large quantities in an industrial or commercial incinerator.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. In the event of an uncontrolled release of this

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5. ENVIRONMENTAL INFORMATION (continued)

material, the user should determine if the release qualifies as a reportable quantity. 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

6. SUGGESTED FIRST AID**EYE CONTACT:**

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

INHALATION:

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

IF SWALLOWED:

Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. Wear appropriate gloves when handling this material.

VENTILATION PROTECTION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Avoid breathing of vapors. Avoid breathing of dust created by cutting, sanding or grinding.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Store out of direct sunlight. Keep container dry.

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7. PRECAUTIONARY INFORMATION (continued)

FIRE AND EXPLOSION AVOIDANCE:
 Not applicable.

OTHER PRECAUTIONARY INFORMATION:
 For industrial or professional use only. Please see package insert for additional precautionary warnings.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
SILICA	NONE	NONE	NONE	NONE	
ZIRCONIUM OXIDE	5	mg/m3	TWA	ACGIH	
	as Zr				
ZIRCONIUM OXIDE	10	mg/m3	STEL	ACGIH	
	as Zr				
ZIRCONIUM OXIDE	5	mg/m3	TWA	OSHA	
	as Zr				
ZIRCONIUM OXIDE	10	mg/m3	STEL	OSHA	
	as Zr				
11,14-dIOXA-2,9-DIAZAHEPTADEC-16-ENOIC ACID, 4,4,6,16-TETRAMETHYL-10,15-DIOXO-, 2-[(2-METHYL-1-OXO-2-PROPENYL)OXY]ETHYL ESTER	NONE	NONE	NONE	NONE	
BISPHENOL A POLYETHYLENE GLYCOL DIETHER DIMETHACRYLATE	NONE	NONE	NONE	NONE	
METHACRYLOXYPROPYLTRIMETHOXYSILANE	NONE	NONE	NONE	NONE	
BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE	NONE	NONE	NONE	NONE	
ALUMINUM OXIDE	1.0	fpcc	TWA	CMRG	
ALUMINUM OXIDE	1.0	fpcc	TWA	OSHA	
ALUMINUM OXIDE	10	mg/m3	TWA	OSHAV	
	AS DUST				
ALUMINUM OXIDE	10	mg/m3	OSHA VACATED PEL: TOTAL DUST	TWA	ACGIH
	as Al				
ALUMINUM OXIDE	15	mg/m3	TWA	OSHA	
	AS DUST				
ALUMINUM OXIDE	5	mg/m3	TOTAL DUST	TWA	OSHA
	AS DUST				
TRIETHYLENE GLYCOL DIMETHACRYLATE	NONE	NONE	RESPIRABLE FRACTION	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.

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7. PRECAUTIONARY INFORMATION (CONTINUED)

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

Moderate Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, itching, and dryness.

INHALATION:

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

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system.

IF SWALLOWED:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Irritation of the Oral Mucosa: signs/symptoms can include bleeding, redness, swelling, and pain of the gums.

SECTION CHANGE DATES

ENVIRON. DATA SECTION CHANGED SINCE AUGUST 8, 2000 ISSUE

HEALTH HAZD. DATA SECTION CHANGED SINCE AUGUST 8, 2000 ISSUE

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