

MATERIAL SAFETY DATA SHEET 3M
 3M Center
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DIVISION: 3M ESPE Dental Products
 TRADE NAME:
 7533R SCOTCHBOND DUAL CURE DENTAL ADHESIVE RESIN.
 ID NUMBER/U.P.C. :
 70-2005-4496-6 +H-44411-48637-0 70-2010-2017-2 +H-44447-33225-0
 FH-5000-3620-4 - - - FH-5000-3621-2 - - -
 FH-5000-4218-6 - - -
 ISSUED: May 02, 2001
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 DOCUMENT: 11-1273-9

1. INGREDIENT	C.A.S. NO.	PERCENT
BISPHENOL A DIGLYCIDYL ETHER		
DIMETHACRYLATE.....	1565-94-2	45 - 55
TRIETHYLENEGLYCOL DIMETHACRYLATE.....	109-16-0	40.0 - 50.0
BENZOYL PEROXIDE.....	94-36-0	< 2.0

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:
 BENZOYL PEROXIDE

2. PHYSICAL DATA

BOILING POINT:.....	< 95 F
VAPOR PRESSURE:.....	< 16 psi
VAPOR DENSITY:.....	N/D
EVAPORATION RATE:.....	N/D
SOLUBILITY IN WATER:.....	nil
SPECIFIC GRAVITY:.....	1.200 g/cc
PERCENT VOLATILE:.....	nil
pH:.....	N/A
VISCOSITY:.....	3000 centipoise
MELTING POINT:.....	N/D

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

2. PHYSICAL DATA (continued)

APPEARANCE AND ODOR:
CLEAR LIQUID, SLIGHT YELLOW COLOR, SLIGHT ACRYLATE ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 200 F
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
Carbon dioxide, Dry chemical, Dry powder, Foam, AFFF "Light Water"
foam

DRY CHEMICAL OR CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES:
Not determined

NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS:
No unusual fire or explosion hazards are anticipated.

NONE

NFPA HAZARD CODES: HEALTH: 2 FIRE: 1 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
ZINC OXIDE EUGENOL DENTAL PRODUCTS

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
None known.

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5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Cover with a slurry of soda ash (sodium carbonate) and slaked lime (calcium hydroxide). Carefully, with stirring and cooling, add waste product to a solution of soda ash (sodium carbonate) and slaked lime (calcium hydroxide). Confirm neutrality. Collect spilled material. Clean up residue. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility. Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Dispose of completely cured (or polymerized) material in a sanitary landfill.

ENVIRONMENTAL DATA:

NOT DETERMINED

REGULATORY INFORMATION:

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

In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D002 (Corrosive)

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: No 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.

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6. SUGGESTED FIRST AID (continued)

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.

RECOMMENDED VENTILATION:
Use in a well-ventilated area.

RESPIRATORY PROTECTION:
Avoid prolonged 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. Keep container dry. Keep container closed when not in use.

FIRE AND EXPLOSION AVOIDANCE:
Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

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

HMS HAZARD RATINGS: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1
PERSONAL PROTECTION: B

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
BISPHENOL A DIGLYCIDYL ETHER					
DIMETHACRYLATE.....	NONE	NONE	NONE	NONE	
TRIETHYLENEGLYCOL DIMETHACRYLATE.....	NONE	NONE	NONE	NONE	
BENZOYL PEROXIDE.....	5	MG/M3	TWA	ACGIH	

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
BENZOYL PEROXIDE.....	5	MG/M3	TWA	OSHA	

* 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:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 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: 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.

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

HEADING

SECTION CHANGED SINCE September 07, 2000 ISSUE

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