

MATERIAL SAFETY
DATA SHEET

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DIVISION: 3M ESPE Dental Products
TRADE NAME:

7533L SCOTCHBOND DUAL CURE DENTAL ADHESIVE LIQUID AND 7546 SCOTCHBOND
MULTI PURPOSE PLUS ACTIVATOR

ID NUMBER/U.P.C.:

70-2005-4495-8 +H-44411-48536-0 70-2010-1233-6 +H-44439-8852J-0
70-2010-1289-8 +H-44440-28828-0 70-2010-1579-2 +H-44440-5982C-0
70-2010-2016-4 +H-44447-33124-0 FH-5000-3623-8 - - -

ISSUED: May 02, 2001

SUPERSEDES: March 10, 2000

DOCUMENT: 11-1274-7

1. INGREDIENT	C.A.S. NO.	PERCENT
ETHYL ALCOHOL.....	64-17-5	92.0 - 100.0
BENZENESULFINIC ACID, SODIUM SALT.....	873-55-2	3.0 - 7.0

2. PHYSICAL DATA

BOILING POINT:..... 173 F
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... 1.59
EVAPORATION RATE:..... 7
SOLUBILITY IN WATER:..... INFINITE
SPECIFIC GRAVITY:..... 0.81
PERCENT VOLATILE:..... N/D
pH:..... N/D
VISCOSITY:..... N/D
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

CLEAR LIQUID. ALCOHOL ODOR.

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

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 55 F (CC)
FLAMMABLE LIMITS - LEL:..... 3.28
FLAMMABLE LIMITS - UEL:..... 19
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
DRY CHEMICAL OR CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES:
NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS:
MODERATELY VOLATILE. SHOULD PROVIDE GOOD VENTILATION.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 3 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IB Flammable Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
None known.

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. Extinguish all ignition sources. Contain spill. Place in an approved metal container.

WITH ABSORBENT MATERIAL COLLECT.

RECOMMENDED DISPOSAL:
Incinerate in a permitted hazardous waste incinerator.

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5. ENVIRONMENTAL INFORMATION (continued)

ENVIRONMENTAL DATA:
NOT DETERMINED

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

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

6. SUGGESTED FIRST AID

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

SKIN CONTACT:
Flush skin with large amounts of water. If irritation persists, get
medical attention.

INHALATION:
Remove person to fresh air. If not breathing, give artificial
respiration. If breathing is difficult, get immediate medical
attention.

IF SWALLOWED:
Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact.

SKIN PROTECTION:
Avoid skin contact.

RECOMMENDED VENTILATION:
Use in a well-ventilated area.

RESPIRATORY PROTECTION:
Avoid breathing of vapors.

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7. PRECAUTIONARY INFORMATION (continued)

PREVENTION OF ACCIDENTAL INGESTION:
Do not ingest.

RECOMMENDED STORAGE:
Store in a cool place. Store away from heat. Keep container in well-ventilated area.

FIRE AND EXPLOSION AVOIDANCE:
Keep container tightly closed. Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition. No smoking while handling this material.

OTHER PRECAUTIONARY INFORMATION:
Please see package insert for additional precautionary warnings.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ETHYL ALCOHOL.....	1000	PPM	TWA	ACGIH	
ETHYL ALCOHOL.....	1000	PPM	TWA	OSHA	
BENZENESULFINIC ACID, SODIUM SALT....	NONE	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:
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:
Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

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

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8. HEALTH HAZARD DATA (continued)

INHALATION:

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

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

IF SWALLOWED:

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

OTHER HEALTH HAZARD INFORMATION:

Note: This product contains ethanol. In IARC published Monograph No. 44, entitled, "Alcohol Drinking", the carcinogenicity of ethanol was determined based on chronic exposure to ethanol through human consumption of alcoholic beverages. This is not an expected effect during the foreseeable use of this product.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE March 10, 2000	ISSUE
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