

3M General Offices  
3M Center  
St. Paul, Minnesota 55144-1000  
612/733-1110  
Duns No.: 00-617-3082

08-3  
10275

177

MATERIAL SAFETY  
DATA SHEET



DIVISION: DENTAL PRODUCTS  
TRADE NAME:  
7533L SCOTCHBOND DUAL CURE DENTAL ADHESIVE LIQUID

3M I.D. NUMBER: 70-2005-4495-8

ISSUED: APRIL 16, 1992  
SUPERSEDES: DECEMBER 17, 1991  
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	< 6.0
2,3-BORNANEDIONE .....	10373-78-1	< 2.0

2. PHYSICAL DATA

BOILING POINT:..... 173 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY: ..... 1.59  
EVAPORATION RATE:..... 7  
SOLUBILITY IN WATER: ..... INFINITE  
SP. GRAVITY:..... 0.81  
PERCENT VOLATILE: ..... N/D  
VOLATILE ORGANICS: ..... N/D  
VOC LESS H2O & EXEMPT SOLVENT N/D  
pH: ..... N/D  
VISCOSITY: ..... N/D  
MELTING POINT..... N/D  
APPEARANCE AND ODOR: CLEAR LIQUID. ALCOHOL ODOR.

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 4 REACTIVITY 0  
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
N/A  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
NONE

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

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Extinguish all ignition sources. Contain spill. Place in an approved metal container and seal.

WITH ABSORBENT MATERIAL COLLECT.

**RECOMMENDED DISPOSAL:**

Incinerate in a permitted hazardous waste incinerator.

**ENVIRONMENTAL DATA:**

NOT DETERMINED

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

**SKIN CONTACT:**

Flush skin with large amounts of water. If irritation persists, call a physician. Wash contaminated clothing before reuse.

**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.

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**7. PRECAUTIONARY INFORMATION**

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**EYE PROTECTION:**

Avoid eye contact.

**SKIN PROTECTION:**

Avoid skin contact..

**VENTILATION PROTECTION:**

Use with appropriate local exhaust ventilation. Use in a well-ventilated area.

**RESPIRATORY PROTECTION:**

Avoid inhalation of vapors..

**PREVENTION OF ACCIDENTAL INGESTION:**

Wash hands after handling and before eating. Do not ingest.

**RECOMMENDED STORAGE:**

Store at room temperature.

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**7. PRECAUTIONARY INFORMATION (continued)**

SHELF LIFE IS APPROXIMATELY 12 MONTHS AT ROOM TEMPERATURE.

**FIRE AND EXPLOSION AVOIDANCE:**

Keep container tightly closed. Flammable liquid. Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition. Do not pierce or burn container, even after use. No smoking while handling this material. Do not heat under confinement. Do not spray near flame or incandescent material. Avoid static discharge.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
ETHYL ALCOHOL .....	1000	ppm	TWA	ACGIH	
ETHYL ALCOHOL .....	1880	mg/m3	TWA	ACGIH	
ETHYL ALCOHOL .....	1000	ppm	TWA	OSHA	
ETHYL ALCOHOL .....	1900	mg/m3	TWA	OSHA	
BENZENESULFINIC ACID, SODIUM SALT .....	NONE	NONE	NONE	NONE	
2,3-BORNANEDIONE .....	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.

**INHALATION:**

Single overexposure, above recommended guidelines, may cause:

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.

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

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**8. HEALTH HAZARD DATA (continued)**

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**IF SWALLOWED:**

Ingestion may cause:

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

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.

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**SECTION CHANGE DATES**

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HEADING	SECTION CHANGED SINCE	DECEMBER 17, 1991 ISSUE
INGREDIENTS	SECTION CHANGED SINCE	DECEMBER 17, 1991 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	DECEMBER 17, 1991 ISSUE

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.