

MATERIAL SAFETY
DATA SHEET

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DIVISION: DENTAL PRODUCTS

TRADE NAME:

7423/7523 SCOTCHBOND ETCHING GEL

ID NUMBER/U.P.C.:	FH-5000-3624-6	-	-	-	FH-5000-3625-3	-	-	-
	FH-5000-4220-2	-	-	-	70-2004-8041-9	-	-	-
	70-2010-0289-9	+H-44412-15924-0			70-2010-0349-1	+H-44412-24520-0		
	70-2010-0839-1	+H-44439-7782K-0			70-2010-1442-3	+H-44440-45827-0		
	70-2010-1759-0	+H-44440-7792D-0						

ISSUED: FEBRUARY 22, 2001

SUPERSEDES: FEBRUARY 5, 1999

DOCUMENT: 10-4782-8

1. INGREDIENT	C.A.S. NO.	PERCENT	
WATER	7732-18-5	54.0	- 62.0
PHOSPHORIC ACID	7664-38-2	34.0	- 38.0
SILICA	7631-86-9	3.0	- 7.0

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:
PHOSPHORIC ACID

2. PHYSICAL DATA

BOILING POINT:.....	N/A
VAPOR PRESSURE:.....	N/A
VAPOR DENSITY:.....	N/A
EVAPORATION RATE:.....	N/A
SOLUBILITY IN WATER:	INFINITE
SP. GRAVITY:.....	1.28
PERCENT VOLATILE:	N/A
pH:	1.0
VISCOSITY:	100000.0 CPS
MELTING POINT.....	N/D
APPEARANCE AND ODOR: BLUE GEL	

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:.....	N/A
FLAMMABLE LIMITS - LEL:	N/A
FLAMMABLE LIMITS - UEL:	N/A
AUTOIGNITION TEMPERATURE: ...	N/D
EXTINGUISHING MEDIA:	
Not applicable	

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

SPECIAL FIRE FIGHTING PROCEDURES:

Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not applicable.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: corrosive

4. REACTIVITY DATA

STABILITY: Stable**INCOMPATIBILITY - MATERIALS TO AVOID:**

CORROSIVE TO METALS.

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. Cover with a slurry of soda ash (sodium carbonate) and slaked lime (calcium hydroxide). Collect spilled material. Place in an approved metal container.

RECOMMENDED DISPOSAL:

Flush spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Discharge neutralized waste product to a wastewater treatment system.

ENVIRONMENTAL DATA:

N/D

REGULATORY INFORMATION:

Volatile Organic Compounds: N/D.

VOC Less H2O & Exempt Solvents: N/D.

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 for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Immediately flush skin with large amounts of water for at least 15 minutes in a chemical safety shower while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

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6. SUGGESTED FIRST AID (continued)

INHALATION:

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

IF SWALLOWED:

If swallowed, do NOT induce vomiting. Give victim two glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: natural rubber.

VENTILATION PROTECTION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:

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

RECOMMENDED STORAGE:

Store at room temperature. Keep container dry. Keep container in well-ventilated area.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. No smoking while handling this material.

OTHER PRECAUTIONARY INFORMATION:

For industrial or professional use only. Please see package insert for additional precautionary warnings.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
WATER	NONE	NONE	NONE	NONE
PHOSPHORIC ACID	1	mg/m ³	TWA	ACGIH
PHOSPHORIC ACID	3	mg/m ³	STEL	ACGIH

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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
PHOSPHORIC ACID	1	mg/m ³	TWA	OSHA	
PHOSPHORIC ACID	3	mg/m ³	STEL	OSHA	
SILICA	3	mg/m ³	TWA	CMRG	
	AS RESPIRABLE DUST				

* 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
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA**EYE CONTACT:**

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

SKIN CONTACT:

Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

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.

Pneumoconiosis (general): signs/symptoms can include persistent coughing and shortness of breath.

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

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8. HEALTH HAZARD DATA (continued)

Damage to Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomitus, blood in feces, and ulceration.

Esophageal Burns: signs/symptoms can include pain in throat, difficult swallowing and blood in sputum.

Burns of the Oral Tissues: signs/symptoms can include pain, burns of tongue and inside of mouth, redness and tissue loss.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	FEBRUARY 5, 1999 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	FEBRUARY 5, 1999 ISSUE

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