

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

179

MATERIAL SAFETY
DATA SHEET



DIVISION: DENTAL PRODUCTS
TRADE NAME:
7423 AND 7523 SCOTCHBOND ETCHING GEL AND SCOTCHBOND ENAMEL ETCHANT

3M I.D. NUMBER: 70-2004-8041-9 70-2010-0289-9 70-2010-0349-1

ISSUED: SEPTEMBER 21, 1992
SUPERSEDES: JUNE 12, 1992
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	4.0	-	8.0

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION 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
VOLATILE ORGANICS:..... N/D
VOC LESS H2O & EXEMPT SOLVENT N/D
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:
N/A
SPECIAL FIRE FIGHTING PROCEDURES:
N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:
N/A
NFPA-HAZARD-CODES: HEALTH 2 FIRE 0 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
CORROSIVE TO METALS.

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

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

04-36
4774

MATERIAL SAFETY
DATA SHEET



MSDS: 7423 AND 7523 SCOTCHBOND ETCHING GEL AND SCOTCHBOND ENAMEL ETCHANT
SEPTEMBER 21, 1992

PAGE: 4 of

8. HEALTH HAZARD DATA (continued)

NO IMMEDIATE BURNING SENSATIONS MAY BE EXPERIENCED.

INHALATION:

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

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

IF SWALLOWED:

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.

SECTION CHANGE DATES

FIRE & EXP. DATA SECTION CHANGED SINCE JUNE 12, 1992 ISSUE

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

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.
