

SECTION 1: IDENTIFICATION OF PRODUCT

FORMULA: Mixture of diluted hydrofluoric acid and viscosity builders.

SYNONYM OR CROSS REFERENCE: ETCH-IT PORCELAIN ETCHING GEL

132-6002

SECTION 2: HAZARDOUS INGREDIENTS

MATERIAL: Hydrofluoric acids 10-15%

NATURE OF HAZARD: Irritant. Can cause burns to skin on prolonged contact which may not be immediately apparent.

SECTION 3: PHYSICAL DATA

MELTING POINT: °F: N/A
°C: Approx. 110 C.
BOILING POINT: (mm Hg): N/A
VAPOR PRESSURE: (H₂O=1): Approx. 1.1 @ 25 C
SPECIFIC GRAVITY: (Air =1): Greater Than 1
VAPOR DENSITY: Gel disperses
WATER SOLUBILITY: Less than 3
PH OF SOLUTION: N/A
PERCENT VOLATILE: (BuAC =1): N/A
EVAPORATION RATE: Pink, translucent, stiff gel.
APPEARANCE:

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): Non-flammable
FLAMMABLE LIMITS: N/A
FIRE EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: None for lab quantities
UNUSUAL FIRE AND EXPLOSION HAZARD: Corrosive fumes of hydrogen fluoride will be liberated in a fire.

SECTION 5: HEALTH HAZARD

THRESHOLD LIMIT VALUE: None established for this mixture.

HEALTH HAZARDS: Effects of overexposure to product.
Skin: Can cause irritation or burns which may not be immediately apparent.

Eyes: Direct contact can cause severe eye burns.

Inhalation: Fumes in area of poor ventilation can be irritating to respiratory tract and mucosa.

Ingestion: Can cause irritation or burns to digestive tract mucosa. Ingestion of large quantities can be fatal if not treated promptly.

FIRST AID PROCEDURES:

Skin: Treat contact promptly. Wash with solution of neutralizer and flush well with water. If contact was prolonged or involved large quantities of gel, then immerse burned part in ice cold saturated magnesium sulfate solution or ice benzalkonium chloride solution and contact physician.
Eyes: Treat contact IMMEDIATELY. Wash well with large amounts of cool water for 15 minutes including inner surface of eye lids. Do Not use chemical treatment. Get Medical attention.

Inhalation: If irritated, remove to fresh air.

Ingestion: Do not induce vomiting. Give milk, water, milk of magnesia. Contact physician immediately.

CARCINOGENICITY: No ingredients identified as a carcinogen or potential carcinogen by NTP, IARC or OSHA.

AD American Dental Supply, Inc.
2600 William Penn Hwy., Easton, PA 18045-5277
(800) 558-5825

MATERIAL SAFETY DATA SHEET

NFPA RATINGS
HEALTH HAZARD: 2
FIRE & EXPLOSION: 0
REACTIVITY: 0
PROTECTION: B

SECTION 6: REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Heat
INCOMPATIBILITY (MATERIALS TO AVOID): Metals, alkali salts, glass
HAZARDOUS DECOMPOSITION PRODUCTS: When heated will liberate hydrogen fluoride vapor.
HAZARDOUS POLYMERIZATION: Will not occur

SECTION 7: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Spill is unlikely due to package size and gel form. However, if it occurs, neutralize the gel with the enclosed DIP-1T neutralizer or slaked lime mixture. Use personal protective equipment to avoid contact.
WASTE DISPOSAL METHOD:
Sponge mixture up and flush residues down sink drain with excess of water, in accordance with any applicable regulations.

SECTION 8: PROTECTION INFORMATION

VENTILATION: Mechanical is acceptable
SKIN: Latex rubber, or PVC gloves
EYES: Safety glasses or splash goggles
RESPIRATORY: None required in normal use.
OTHER PROTECTIVE EQUIPMENT: Eye-wash station. Keep antidoles available.

SECTION 9: HANDLING AND STORAGE (lab quantities)

Keep containers well closed. Store in cool, dry, well ventilated area. For laboratory or office use only. Keep out of reach of children. Avoid heat and direct sunlight. Normal precautions of laboratory good housekeeping practices should be followed.

SECTION 10: MISCELLANEOUS INFORMATION

Not for intratracheal use. NO SHIPPING RESTRICTION, due to small quantity and nature of packaging.
Revision Date: 3/00
Information Furnished By: L. D. Hochhauser
Product Development Mgr.

The above information is believed to be accurate and represents the best information currently available to us. However, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, with respect to such information, and we assume no liability resulting from its use or from improper use or handling of the product. Users should make their own investigations to determine the suitability of the information for their particular purposes.