

MATERIAL SAFETY DATA SHEET

TRADE NAME:	PORCELOCK® ETCHANT, REVITALIZE™ ETCHANT
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CHEMICAL NAME: Hydrofluoric Acid

I. PHYSICAL DATA

BOILING POINT (°C):	N/A
MELTING POINT:	CA 0°C
SPECIFIC GRAVITY (H ₂ O=1):	1.03 @ 25°C
VAPOR PRESSURE (20°C):	Less than 1mm Hg
VAPOR DENSITY (Air=1):	Less than 1
SOLUBILITY IN WATER:	Slightly
EVAPORATION RATE (Butyl Acetate=1):	Less than 1
APPEARANCE AND ODOR:	Blue fluid; no odor

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPOUNDS	
Hydrofluoric Acid (HF)	2.9%

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	None
EXTINGUISHING MEDIA:	N/A
SPECIAL FIRE EXTINGUISHING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	N/A
LEL EXPLOSIVE LIMIT:	NE
VEL EXPLOSIVE LIMIT:	NE

IV. HEALTH HAZARD DATA / FIRST AID PROCEDURES

EFFECTS OF OVEREXPOSURE: Hydrofluoric acid - chronic exposure - repeated or prolonged exposure may cause irritation or burns. Slight irritation occurred in people exposed to vapor concentrations averaging 2.6 and 4.7 ppm for periods of up to 50 days. Slight desquamation of superficial epithelium of the face was observed in one subject after ten days of exposure to hydrogen fluoride at 3.4 ppm.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN:	Remove contaminated clothing. Flush skin with water. If uncomfortable, see physician.
EYES:	Flush with water for at least 15 minutes; immediately contact physician.
INGESTION:	Do not induce vomiting. If conscious, take milk of magnesia or milk and see physician.
CARCINOGENICITY:	None known.

V. REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	Strong bases
INCOMPATIBILITY:	Strong bases
HAZARDOUS DECOMPOSITION:	None
HAZARDOUS POLYMERIZATION:	None

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:	Wipe up spill with absorbent cloth and wipe area well with water.
WASTE DISPOSAL METHOD:	Dispose according to Government regulations.

EMERGENCY PHONE NUMBER: (805) 922-8491

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