

ETOWAH CHEMICAL
SALES & SERVICE
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N. F. P. A.
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

HEALTH	3
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	C

Material Safety Data Sheet

24 Hour Emergency Telephone Number: (800) 535-5053

SECTION I - IDENTIFICATION

Product Name	SC-350 STAINLESS STEEL CLEANER	Date last Revised	AUG 2009
Chemical Family	HYDROFLUORIC ACID CLEANER	Item Number	ETC-1018
Proper D.O.T. Shipping Name	HYDROFLUORIC AND SULFURIC ACID MIXTURE		
D.O.T. Hazard Classification	8, UN-1786, PG II, CORROSIVE-POISON		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
< 4.5	SULFURIC ACID	1mg/m3	1 mg/m3	7664-93-9
< 3.0	HYDROFLUORIC ACID	6 mg/m3	3 mg/m3	7664-39-3
SARA TITLE REPORTING REQUIREMENTS SECTION 302 IF OVER 225 GALLONS SECTION 311, 312, 313 REQUIRED RCRA, CERCLA REQUIRED Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	220 DEG F	pH (Conc.)	BELOW 0
Solubility In Water	COMPLETE	pH (Use Dilution)	1% 0.5 - 1.0
% Volatility By Weight	<90	Evaporation Rate	WATER=1 > 1
Specific Gravity	1.030	Physical Form	LIQUID
Appearance And Odor	CLEAR, COLORLESS, PUNGENT ACID ODOR		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY INFORMATION

Flash Point	NONE
Extinguishing Media	REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL
Flammable Limits	N/A
Special Fire Fighting Procedures	WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATE IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES
Unusual Fire and Explosion Hazards	ACIDS REACT WITH MOST METALS TO RELEASE HYDROGEN GAS, WHICH MAY FORM AN EXPLOSIVE MIXTURE WITH AIR

SECTION V - REACTIVITY DATA

Stability	STABLE
Conditions to Avoid	OXIDIZERS
Incompatibility	AVOID STRONG ALKALIES, OXIDIZERS, CHLORINE BLEACH
Hazardous Decomposition Products	MAY FORM TOXIC ACID VAPORS
Hazardous Polymerization	WILL NOT OCCUR

SECTION VI - HEALTH HAZARD	
Routes(s) of Entry	Inhalation? YES Skin? YES Ingestion? NO
Health Hazards (Acute and Chronic)	EYES: WILL CAUSE BURNS AND DAMAGE VERY RAPIDLY. SKIN: WILL CAUSE BURNS. INHALATION: VAPORS ARE IRRITATING TO MUCOUS MEMBRANE. MIST MAY CAUSE PULMONARY EDEMA. INGESTION: RESULTS IN SEVERE DAMAGE TO MUCOUS MEMBRANES, CAN RESULT IN DEATH.
Carcinogenicity	NTP? NO IARC Monographs? NO OSHA Regulated? NO
Emergency Aid and First Aid Procedures	EYES: FLUSH WITH WATER FOR 20 MINUTES WHILE CALLING FOR IMMEDIATE MEDICAL ATTENTION. SKIN: FLUSH WITH RUNNING WATER AND IF PROLONGED SKIN CONTACT, SEEK MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING. DILUTE WITH WATER. GIVE MILK OF MAGNESIA. SEEK MEDICAL ATTENTION
SECTION VII - SPILL OR LEAK PROCEDURES	
Spill Response	COVER THE CONTAMINATED SURFACE WITH SODIUM BICARBONATE (BAKING SODA), OR SLAKED LIME AND ADD WATER TO FORM A SLURRY. SCOOP UP SLURRY AND WASH DOWN SITE WITH SODIUM BICARBONATE SOLUTION.
Waste Disposal Method	FOR SMALL SPILLS: DILUTE WITH WATER, ADJUST ph WITH SODIUM BICARBONATE TO A ph ABOVE 6.0, THEN FLUSH TO SANITARY SEWER OR SEND TO SANITARY LANDFILL, FOLLOWING LOCAL, STATE AND FEDERAL REGULATIONS
SECTION VIII - SPECIAL PROTECTION INFORMATION	
Eye Protection	WEAR SAFETY GLASSES or CHEMICAL SPLASH GOGGLES.
Skin Protection	WEAR NEOPRENE GLOVES.
Ventilation	NORMAL ROOM VENTILATION.
Respiratory Protection	If TLV of any component is exceeded use a NIOSH respirator full face respirator.
Other Protection	NEOPRENE APRON AND GLOVES
SECTION IX - SPECIAL PRECAUTIONS	
Precautions in Handling and Storage	Keep out of reach of children. Keep away from oxidizing agents and alkalies. Rinse containers before disposal. Reportable under RCRA.
Other Precautions	SAFETY SHOWER, EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.
PREPARED BY: David Brunton, Chemist	
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