



# Safety Data Sheet

Section 1 - Product Information					
Product Name: IRON MAN				Supplier:	Chemical Maintenance, Inc.
Product Code Number: 0419		Information Phone: 217-359-6262		Address:	1100A West Bloomington Dr Champaign, IL 61821
Product use:	rust inhibiting sour	Emergency Contact: CHEMTREC 1-800-424-9300			
Section 2 - Hazard Identification					
GHS Classification: Corrosive( skin) Category 1B, Corrosive(eye) Category 1. Acute toxicity(oral) Category 3.					
Section 2.1 - Label Elements					
Hazard Pictograms		Precautionary Statements:			
 		Wear protective gloves and eye protection. Wash thoroughly after handling. Do not breathe mist or dust. Do not eat, drink or smoke when using this product. IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing. IF SWALLOWED: Immediately call a Poison Center or Physician. Rinse mouth. IF INHALED: Remove to fresh air and keep at rest position comfortable for breathing. Immediately call a POISON CENTER or physician.			
Signal Word: Danger					
Hazard Statements: Causes severe skin burns and eye damage. May be corrosive to metals. Toxic if swallowed.					
Section 3 - Composition					
Chemical Name	CAS #	Percent w/w			
Hydrofluosilicic Acid	16961-83-4	11			
Ammonium Hydrogen Fluoride	1341-49-7	3			
Oxalic Acid	144-62-7	3			
Section 4 - First Aid Measures					
IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.					
IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.					
IF SWALLOWED: Immediately call a Poison Center or Physician. Rinse mouth.					
IF INHALED: Remove to fresh air and keep at rest position comfortable for breathing.					
Immediately call a POISON CENTER or physician.					
Section 5 - Fire and Explosion Hazard Data					
Flash Point:	Limits		Extinguishing Media:	Special Fire Fighting Procedures: Avoid exposure to fumes or vapors.	
none	LEL	NA	Water spray or fog, foam, dry chemical, carbon dioxide or alcohol foam, if product involved.	Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV. <b>UNUSUAL FIRE &amp; EXPLOSION HAZARD:</b> Product will not burn.	
	UEL	NA			
Section 6 - Accidental Release Measures					
Mop up spills and flush to sewers with plenty of water. Neutralize with sodium bicarbonate. Floors may be slippery, use care to avoid falls.					
Section 7 - Handling and Storage					
For institutional and industrial use only. Not intended for consumer use. Store locked up. Store upright in original closed container.					
Section 8 - Exposure Controls/PPE					
Ingredient	OSHA PEL:	ACGIH TLV	PPE		General Hygiene Considerations:
Hydrofluosilicic Acid	2.5mg/m3	2.5mg/m3	Respiratory:	not normally required	Handle in accordance with good industrial hygiene and safety practices. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
Ammonium Hydrogen Fluor.	2.5mg/m <sup>3</sup>	2.5mg/m <sup>3</sup>	Eye:	safety glasses, face shield	
Oxalic Acid	1mg/m3	1mg/m3	Skin:	Apron, acid proof gloves	
			Ventilation	Normal Room Ventilation	

### Section 9 - Physical and Chemical Properties

Appearance	odor	odor threshold	pH	Melting Point	Boiling point	Evaporation rate	Flammability	Upper/lower flammability limits	Vapor pressure
red liquid	mild	NE	2	NE	212°F	>1(water =1)	NA	NA	17mm Hg
Vapor Density	Density	Specific Gravity	pH(use dil)	Solubility	Partition coefficient	Auto Ignition temp	Viscosity	Decomposition Temp	
0.62(air =1)	9	1.08	2.4	100% in water	NE	NA	thin	NE	

### Section 10 - Stability and Reactivity

Product is stable, hazardous polymerization will not occur. Incompatible with strong oxidizing agents. Hazardous decomposition products include hydrogen chloride, hydrogen gas in contact with some metals and formic acid.

### Section 11- Toxicological Information

ingredient	Acute toxicity(oral LD50) rat	Acute toxicity(derm. LD50)rabbit	Skin and Eye	Carcinogen	Mutagen	Reproduct. Toxicity	STOST -single Exposure	STOST Repeated exposure
Hydrofluosilicic Acid	200mg/kg	140mg/kg(frog)	corrosive	No Info	No info	No info	No info	No info
Ammonium Hydrogen Fluor.	60mg/kg	NE	corrosive	NE	NE	NE	NE	NE
Oxalic Acid	375mg/kg	NA	irritant	No info	No info	No info	No info	No info

Other:

### Section 12 - Ecological Information

No information available

### Section 13 - Disposal Considerations

Products covered by this SDS, in their original form, are considered corrosive waste according to RCRA (40 CFR 261). Dispose of in accordance with applicable Federal, State and Local regulations.

### Section 14 - Transport Information


UN number	Basic Description(DOT)	Class	Packing Group	LTD QTY
UN3264	Corrosive liquid, acidic, inorganic, n.o.s.(contains fluorosilicic acid)	8	II	< 1 Liter

### Section 15 - Regulatory Information

SARA Title 3: Does not contain reportable chemicals under sections 302, 304, or 313 of Title III of the Superfund amendments and Reauthorization Act of 1986.

CERCLA: Ammonium Hydrogen Fluoride. For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68

### Section 16 - Other Information

WHMIS: E		HMIS: Health - 3	Flam. - 0	R - 1	PPE- C
Date Prepared: 04-13-2015		Prepared by: Environmental, Health and Safety Administrator.			

The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with materials or in any process, unless specified in the text.

Legend for Abbreviations: NA - not applicable NE - Not Established