



SDS

SAFETY DATA SHEET

Date prepared: February 24, 2014

Revision:
Supersedes:

1. Product and Company Identification

Company
 HD Chem
 707 W. 16th St.
 Long Beach, CA 90813
 (888) 443-2436
PRODUCT NAME: IRON SOUR
CHEMICAL NAME: INORGANIC FLUORINE COMPOUND

24 Hour Emergency Information
 (888) 443-2436

PRODUCT CODE: C-IL05

2. Hazards Identification

EMERGENCY OVERVIEW: DANGER, CORROSIVE. Can cause severe burns to eyes, skin and mucous membranes.

SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)



EYE CONTACT : Causes severe irritation and possible tissue burns, permanent eyes damage, or blindness.

INHALATION : This product does not readily form a vapor and inhalation is unlikely. If mists or sprays of this solution are inhaled, this product may cause pulmonary irritation, irritation of the mucus membranes, coughing and a sore throat.

INGESTION : Causes severe burns. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

SKIN CONTACT : Can cause severe burns with deep ulceration and permanent scarring . It can penetrate to deeper layers of skin and corrosion will continue until removed. The severity of injury depends on the duration of exposure.

3. Composition/ Information on Ingredients

| MATERIAL (BASED ON 100% FORMULA LEVEL) | CAS# | % WEIGHT |
|---|------------|----------|
| FLUOROSILICIC ACID | 16961-83-4 | < 17% |

4. First Aid Measures

EYE CONTACT : Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids to ensure flushing of the entire surface. Seek medical attention immediately.

INHALATION : Remove to fresh air. Get medical attention as soon as possible.

INGESTION : If swallowed, do not induce vomiting. Get medical attention immediately. If victim is fully conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person.

SKIN CONTACT : Wash skin with lots of soap and water. Remove contaminated clothing and shoes. Wash before reuse. If irritation occurs and persists, seek medical attention as needed.

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide maybe used.

UNUSUAL FIRE OR EXPLOSIVE HAZARD: Contact with aluminum to produce flammable/ explosive hydrogen-air mixture.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Isolate area. Keep unnecessary personnel away.

ENVIRONMENTAL PRECAUTIONS: Keep out of sewers, storm drains, and waterways.

CLEAN-UP PROCEDURES: Only trained and properly protected personnel should be involved in spill clean-up operations. Wear alkaline-resistant suit and complete protective equipment; rubber gloves, rubber boots, and chemical goggles. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place material in sealable waste containers for disposal.

RECOMMENDED WASTE DISPOSAL METHOD: The materials resulted from the clean-up operation may be hazardous, therefore, are subjected to specific regulations. Dispose of in accordance with all applicable Federal, State and Local regulations. Ensure that all applicable agencies receive proper notification of spill and disposal methods.

7. Handling and Storage

HYGIENIC PRACTICES IN HANDLING AND STORING: Wash thoroughly after handling. Avoid body contact.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: Store in original container at cool, dry, well ventilated areas. Avoid any contamination to food lines. Away from strong bases.

DISPOSAL OF EMPTY CONTAINER: Empty containers should be tripled rinsed with water and disposed of pursuant to Local, State, and Federal requirements.

8. Exposure Controls / Personal Protection

RESPIRATORY PROTECTION : NIOSH approved respirator for organic vapor/ mists.
NIOSH- MSHA approved self- contained breathing apparatus is recommended if vapors level exceeds TLV.

EYE PROTECTION : Safety Goggles or Full face shield.

PROTECTIVE CLOTHING : Rubber gloves, Boots, Full length clothing.

VENTILATION : Local exhaust

OTHER PROTECTIVE MEASURES: Eyewash fountain and safety shower should be nearby and ready for use..

9. Physical and Chemical Properties

BOILING POINT: >200 °F

FREEZING/MELTING POINT: Unknown

VAPOR PRESSURE: (AIR=1): >1

EVAPORATION RATE (WATER =1): >1

PH CONCENTRATE: 2 +/- 0.2

SPECIFIC GRAVITY: 1.147 +/-0.2

DESCRIPTION: Crystal clear, colorless liquid

VOLATILE: 49 %

FLASH POINT: Non-combustible

VAPOR DENSITY: Unknown

SOLUBILITY IN WATER: Complete

VISCOSITY: Water- like

METHOD USED: Koehler CC

10. Stability and Reactivity

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): React violently with strong alkalis. Contact with reactive metals such as aluminum to produce flammable/ explosive hydrogen air mixture.

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Hot Storage.
HAZARDOUS DECOMPOSITION: Unknown.

11. Toxicological Information

ROUTES OF ENTRY: Absorbed through skin. Inhalation. Ingestion.

CARCINOGEN: There is no evidence this product poses a carcinogenic risk under normal conditions of handling or use.

ACUTE EYE IRRITATION: Unknown

ACUTE SKIN IRRITATION: Unknown

ACUTE DERMAL TOXICITY: Unknown

ACUTE RESPIRATORY IRRITATION: Unknown

ACUTE INHALATION TOXICITY: Unknown

ACUTE ORAL TOXICITY: Unknown

CHRONIC TOXICITY: Unknown

12. Ecological Information

ECO-TOXICOLOGICAL INFORMATION: Unknown

CHEMICAL FATE INFORMATION: Unknown

13. Disposal Considerations

Recommended Waste disposal method:

Dispose of in accordance with all applicable Federal, State and Local regulations. Ensure that applicable agencies receive proper notification of spills and disposal methods.

Container disposal:

Empty containers should be tripled rinsed with water and disposed of pursuant to Local, State, and Federal requirements.

14. Transport Information

ID NUMBER: UN 1778

PROPER SHIPPING NAME: Fluorosilicic Acid Solution

HAZARD CLASS: 8

PACKING GROUP: II

15. Regulatory Information

Federal Regulations: None Known

State Regulations: California Proposition 65- This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

16. Other Information

THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.