Value Products Inc.
Chemical Compounding & Packaging

SDS

SAFETY DATA SHEET

Date prepared: July 19, 2022

Revision: 1
Supersedes: 08/06/20

1. Product and Company Identification

Company
VALUE PRODUCTS, INC.
2128 Industrial Drive
Stockton, CA 95206

24 Hour Emergency Response Information
CHEMTREC: (800) 424-9300

PRODUCT NAME: IRON SOUR
PRODUCT CODE: 2331
CHEMICAL NAME: INORGANIC FLUORINE COMPOUND
MANUFACTURED FOR: GAGER DISTRIBUTING INC. CHICO, CA

2. Hazards Identification

EMERGENCY OVERVIEW: DANGER, CORROSIVE. Causes severe burns to eyes and skin. May be fatal if swallowed.

GHS Pictogram:



PRECAUTIONARY STATEMENTS: Wear rubber gloves and safety glasses when handling this product. Wash hands thoroughly after handling. Do not mix with chlorine bleach.

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.

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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.

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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.

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7. Handling and Storage

HYGIENIC PRCTICES 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.

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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..

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9. Physical and Chemical Properties

BOILING POINT: >200 ^{0}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 alkalies. 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
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.

California State Right to Know (SB258):

Chemical Name	CAS-No.	Function	List (s)
Water	7732-18-5	Solvent	N/A
Fluorosilicic Acid	16961-83-4	Descaler	N/A

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.