

Supplied By:



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Material Safety Data Sheet

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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Section 1: Product Identification

Product Name: SOUR PLUS

Product Number: L501

Product Use: Rust Removing Sour

DOT Shipping Name: Fluorosilicic Acid, Solution 8, corrosive material, UN1778, PG II

| | Hazard Rating |
|-----------------------------|------------------------|
| 3 Health | |
| 0 Fire | 4=Extreme 3=High |
| 0 Reactivity | 2=Moderate 1=Slight |
| Maximum Personal Production | 0=Insignificant |

H.M.I.S

Abbreviation Key:

N.A.-Not Applicable

N.E.-Not Established

N.D.-Not Determined

A=Goggles B=Goggles & Gloves C=Goggles, Gloves & Apron

Section 2: Hazardous Ingredient Information

Hazard Chemical Identity

| | CAS No. | % | TLV | PEL | TOXIC | HAZARD |
|-------------------------|------------|----|----------------------|----------------------|-------|-----------|
| Hydrofluorosilicic Acid | 16961-83-4 | 17 | 2.5mg/m ³ | 2.5mg/m ³ | N.A. | Corrosive |

Toxic chemical subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

Section 3: Physical Data

Color: Pale Green **Odor:** Pungent **Physical State:** Liquid

Solubility in Water: Complete

Boiling Point: Above 212 F

Specific Gravity: 1.166

Section 4: Fire and Explosion Hazard Data

Flash Point: N.A.

Extinguishing Media: This material is not combustible. Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: If a fire occurs in near vicinity, use self-contained breathing apparatus and other protective gear.

Unusual Fire and Explosion Hazards: Extinguish all nearby sources of ignition. Hydrogen gas may be released from product's contact with some metals.

Section 5: Reactivity Data

Chemical Stability: Stable

Conditions to Avoid: Heat, sparks and open flame.

Incompatibility (Materials to avoid): Alkalis, oxidizing or reducing materials, cyanides, sulfides or combustible materials. Also grass, carbon, steel and water, concrete, metals and organics such as leather or cloth.

Hazardous Decomposition Products: Hydrofluoric acid and silicon tetrafluoride.

Section 6: Toxicological Properties

Carcinogenic: Product does not contain any materials listed as carcinogenic by ACGIH and OSHA

Effects of Overexposure: Corrosive. Burns the eyes, skin and mucous membranes causing burns, tissue destruction, shock and pulmonary edema. Effects may be delayed. May cause fluorosis.

Section 7: Preventative & Control Measures

Respiratory Protection: If use conditions generate vapors or mists, use NIOSH approved respirator appropriate for those levels.

Ventilation: Exhaust ventilation must maintain levels below 2.5 mg/m³.

Skin Protection: Acid resistant gloves with gauntlets. Apron, if required by operation being performed.

Eye Protection: Wear safety glasses, splashproof chemical goggles or full face shield.

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Always wear eye protection. For small spills or drips, mop or wipe up and dispose of in DOT approved waste containers. For large spills, contain by diking with soil or other non-combustible material and carefully neutralize with soda ash or lime. If soda ash is used, provide adequate ventilation dissipate the carbon dioxide gas.

Waste Disposal: Dispose of in accordance with local, state and federal regulations.

Section 8: Special Precautions

Precautions to be taken in handling and storing: Store in cool, dry, well ventilated place. Keep container tightly closed when not in use. Wash thoroughly after handling. Do not get in eyes, on skin or on cloth. Wear all protective equipment and clothing when handling.

Hazardous Decomposition Products: Hydrofluoric acid and silicon tetrafluoride.

Section 8: Emergency First Aid Procedures

First Aid Notes to Physician:

Eyes: Immediately flush eyes with lots of running water for 30 minutes, lifting upper and lower eyelids. Get immediate medical attention.

Skin: Immediately flush with cold water for 15 minutes while removing contaminated clothing. Pay attention to skin under nails. Then immerse and soak contaminated area in 0.13% iced Aqueous Zephiran Chloride solution for 30-60 minutes. Use saturated compresses if area can't be immersed, changing compress every 2 minutes. No matter how minor the skin burn appears. Always get immediate medical attention. Wash contaminated clothing before reuse, but destroys shoes (Zephiran Chloride is trade name for Benzalkonium Chloride).

Ingestion: DO NOT induce vomiting. If conscious give lots of water or milk. Get immediate medical attention. Do not give anything by mouth to unconscious or convulsing victim.

Section 9: Preparation Information

Prepared By: Regulatory Affairs Department

Phone: 812-336-4817

Date of Preparation: July, 2004

The above information is believed to be accurate with respect to the formula used to manufacture this product. As data, standards and regulations change and conditions of use and handling are beyond our control. **NO WARRANTY** expressed or implied is made as to the completeness of continuing of this information.

Sour Plus

Technical Data Sheet



**Rust
Removing
Sour**

**Contains
Rust
Inhibitors**

**Contains
Souring
Agents**

**Institutional
Strength**

Product Description

Sour Plus is a liquid laundry sour developed specifically for iron stain removal. It is based on a powerful iron stain dissolving compound.

Use Directions

For use in automatic dispensing equipment only. Your LabTek representative will develop a program according to your individual requirements.

Use 1 ounce Sour Plus per 25 lbs. of fabric.

****Do NOT mix with chlorine bleach****

Areas of Use

For institutional laundry use only

Safety Precautions

Caution! Harmful if swallowed. Irritating to eyes. Keep out of the reach of children. Read label and MSDS for complete list of hazards and safety precautions.

Shipping Classification

Fluorosilicic Acid, Solution, 8, corrosive material, UN1778, PG II

Packaging

5 gallon pail

Properties

FORM: Pale green liquid
pH (1% SOLUTION): 2.6
SPECIFIC GRAVITY: 1.166
PRIMARY HAZARD: Corrosive to eyes, skin and mucous membranes
COMPOSITION: Organic liquid acid.