

OSHA Hazard Communication Standard 29 CFR 1900.1200  
Prepared to GHS Rev. 4

**SAFETY  
DATA SHEET**

**SECTION 1- CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Name:** Rust Out

**Product Use:** Rust Remover for Laundry

**Use Restrictions:** For Industrial and Professional Use Only

**Manufacturer:** Gator Chemical  
2202 Industrial Blvd  
Sarasota, FL, 34237  
Phone: 941-225-7657

**Transportation Emergency:** 800-535-5053 (INFOTRAC)

**SECTION 2- HAZARDS IDENTIFICATION**

**1) GHS Classification of the substance or mixture:**

Corrosive to metals- Category 1  
Acute toxicity, Inhalation- Category 4  
Acute toxicity, Dermal- Category 1  
Acute toxicity, Oral- Category 3  
Serious eye damage- Category 1  
Skin Corrosion/Irritation-Category 1

**2) Label Elements:**



**Signal Word:** Danger

**Hazard Statements:**

H290- May be corrosive to metals  
H301- Toxic if swallowed  
H314- Causes severe skin burns and eye damage  
H318- Causes serious eye damage  
H335- May cause respiratory irritation

**Precautionary Statements:**

P102- Keep out of reach of children  
P260- Do not breathe fume/mist/vapors/spray  
P262- Do not get in eyes, on skin, or on clothing

P264- Wash skin thoroughly after handling  
P270- Do not eat, drink or smoke when using this product.  
P280- Wear protective gloves/protective clothing/eye protection/face protection.

**Response Statements:**

P303+P353+P361+P363- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

**Storage and Disposal Statements:**

P405- Store locked up.  
P501- Dispose of contents/container in accordance with local/regional/national regulation.

**Other Hazards:**

OSHA HCS 2012- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Chemical/Common Name</u>	<u>CAS #</u>	<u>PERCENTAGE</u>	<u>HAZARDOUS</u>
Hydrofluoric Acid	7664-39-3	1-5%	Yes

**SECTION 4- FIRST AID MEASURES**

**Inhalation:** If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet and obtain medical attention.  
**Skin:** Immediately flush affected area with lots of water for at least 2 minutes. Remove contaminated clothing and wash before reuse. Consult a physician.  
**Eyes:** Flush immediately with large quantities of running water for at least 5 minutes. Obtain medical attention.  
**Ingestion:** Immediately give a lot of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

**SECTION 5-FIRE FIGHTING MEASURES**

**Flash Point:** None to boiling  
**Autoignition Temperature:** Non combustible  
**Lower Explosive Limit:** N/A    **Upper Explosive Limit:** N/A

**General Hazards-**

**Fire:** Product is not flammable or combustible.  
**Suitable Extinguishing Media:** As required to fight surrounding fire.  
**Fire Fighting Procedures:** Wear self contained breathing apparatus for fire fighting if necessary.  
**Unusual Fire and Explosion Hazards:** None known  
**Hazardous Combustion Products:** None known

**SECTION 6- ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.  
**Emergency Procedures:** As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.  
**Environmental precautions:** Avoid run off to waterways and sewers.

**Methods and material for containment and cleaning up:** Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste disposal container.

## SECTION 7- HANDLING AND STORAGE

**Precautions for safe handling:**

Avoid contact with skin and eyes by wearing protective clothing and equipment. Avoid inhalation of vapor or mist. Use only with adequate ventilation.

**Conditions for safe storage:**

Keep container tightly closed in a dry and well-ventilated place. Store away from acids, acidic materials and oxidizers.

## SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:**

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
Hydrofluoric Acid	7664-39-3	0.5 ppm	6 ppm

**Personal Protective Equipment-**

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Hand protection:** Wear protective gloves made from the following materials- nitrile rubber or polyethylene. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye Protection:** Wear safety glasses with side shields.

**Skin and Body Protection:** Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

**Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear Liquid
<b>Odor:</b>	Sharp
<b>Odor Threshold:</b>	N/D
<b>Melting Point:</b>	N/D
<b>Solubility in Water:</b>	Complete
<b>Boiling Point:</b>	230°F
<b>Specific Gravity (WATER=1):</b>	1.00
<b>Vapor Pressure (mmHg):</b>	N/D
<b>Vapor Density (AIR=1):</b>	N/D
<b>Evaporation Rate (WATER=1):</b>	Approaches water
<b>Flash Point (C.O.C.):</b>	None
<b>pH (1% w/w in water):</b>	1.0-1.5

## SECTION 10- STABILITY AND REACTIVITY DATA

**Reactivity:** No data available

**Stability:** Stable under recommended storage conditions.

**Material to Avoid:** Avoid contact with alkalis and strong oxidizers such as permanganate, chlorine, ect.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** None

## SECTION 11- TOXICOLOGICAL INFORMATION

### Hydrofluoric Acid- (CAS 7664-39-3)-

**Acute toxicity:** No data available

**Carcinogenicity:**

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrofluoric acid)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information**

RTECS: Not available

Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia., Material can cause severe burns and blistering which may not be immediately painful or visible. The full extent of tissue damage may not exhibit itself for 12-24 hours after exposure., Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., necrosis of the skin.

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## SECTION 12- ECOLOGICAL INFORMATION

### Hydrofluoric Acid- (CAS 7664-39-3)-

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

## SECTION 13- DISPOSAL CONSIDERATIONS

**Further information:** Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations.

## SECTION 14- TRANSPORT INFORMATION

Transport in accordance with all federal, state and local regulations.

**DOT-**

UN Number: UN 1790

UN proper shipping name: Hydrofluoric Acid

Hazard class: 8, 6.1

Packing group: II

**SECTION 15- REGULATORY INFORMATION**

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

Not listed

**SARA 304 Emergency release notification:**

Not listed

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

Not listed.

**SARA 302 Extremely hazardous substance:**

Hydrofluoric acid (CAS 7664-93-3)

**SARA 313 (TRI reporting):**

Hydrofluoric acid (CAS 7664-93-3)

**Other federal regulations-**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

Not regulated

**US state regulations-**

**US. Massachusetts RTK - Substance List:**

Hydrofluoric acid (CAS 7664-93-3)

**US. New Jersey Worker and Community Right-to-Know Act:**

Hydrofluoric acid (CAS 7664-93-3)

**US. Pennsylvania Worker and Community Right-to-Know Law:**

Hydrofluoric acid (CAS 7664-93-3)

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance:**

Not listed.

**SECTION 16- OTHER INFORMATION**

References: Not available

Other Special Considerations: Not available

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