

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 Go

**Product Use:** Aluminum Cleaner, Brightener and Deoxidizer

**Un/ID:** NO 3264

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

**Distributed by:** We Five Inc...  
700 S. Milwee St.  
Longwood, FL 32759  
Phone: 407-767-5105

**Manufacture:** Hill Chemical Inc.  
2520 Knight Station Rd  
Lakeland, FL 33810

**Transportation Emergency:** 800-535-5053 Contract# 97581 (INFOTRAC)

**SECTION 2- HAZARDS IDENTIFICATION**

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

- Corrosion- Category 1
- Acute toxicity, Inhalation- Category 4
- Acute toxicity, Dermal- Category 1
- Acute toxicity, Oral- Category 4
- Acute toxicity, Eyes- Category 1, 1A
- Skin Corrosion

**2) Label Elements:**



**Signal Word:** Danger, Corrosive

**Hazard Statements:**

- May be corrosive to metals
- Harmful if swallowed
- Causes severe skin burns and eye damage
- May cause respiratory irritation

**Precautionary Statements:**

- Keep out of reach of children
- Keep only in original container
- Do not breathe fume/mist/vapors/spray
- Do not get in eyes, on skin, or on clothing
- Wash skin thoroughly after handling
- Wear solvent resistant protective gloves and splash proof eyewear

**Response Statements:**

- IF ON SKIN (or hair): Rinse skin with water/shower. Take off all contaminated clothing immediately. Wash contaminated clothing before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention.

**Storage and Disposal Statements:**

- Store locked up.
- 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.

**HMIS Classification:**

- Health Hazard- 3
- Chronic Health Hazard- 0
- Flammability- 0
- Physical Hazards- H

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

<u>Chemical/Common Name</u>	<u>CAS #</u>	<u>PERCENTAGE</u>	<u>HAZARDOUS</u>
Hydrofluoric Acid	7664-93-3	1-10%	Yes
Sulfuric Acid	7664-93-9	10-20%	Yes
2-Butoxy Ethanol	111-76-2	1-2%	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.

**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

**Auto ignition 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 firefighting 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
Sulfuric Acid	7664-93-9	0.2 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
2-Butoxy Ethanol	111-76-2	25 ppm	50 ppm
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>	1.09
<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

**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

### 2-Butoxyethanol-

**Acute oral toxicity-** LD50 Oral: 1,414 mg/kg

**Species:** guinea pig

**Remarks:** Ingestion may cause weakness, confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

**Acute inhalation toxicity-** LC50: ~ 932 ppm

**Exposure time:** 4 HOURS

**Species:** guinea pig

**Remarks:** Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

**Acute dermal toxicity-** LD50: > 2,000 mg/kg

**Species:** guinea pig

**Remarks:** Minimal hazard by skin contact with liquid or vapor. This material may be absorbed through the skin. High dermal doses (most likely achieved from exposure to undiluted liquid) may cause weakness, headache and nausea. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

### Sulfuric Acid-

**Acute oral toxicity-** LD50 Oral: 2,140 mg/kg

**Species:** rat

**Remarks:** Ingestion causes burns to gastrointestinal tract.

**Acute inhalation toxicity-** LC50: ~ 510 mg/kg

**Species:** rat

**Remarks:** Exposure to mist causes severe burns to respiratory system.

**Acute dermal toxicity-** No data available

### Hydrofluoric Acid-

**Acute oral toxicity-** No data available

**Acute inhalation toxicity-** LC50: 5100 ppm

**Exposure time:** 5 Minutes

**Species:** rat

**Remarks:** Mild exposure can irritate nose, throat and respiratory passages. Onset of symptoms may be delayed for several hours. Severe exposure can cause severe mouth, throat and stomach burns.

**Acute dermal toxicity-** No data available

## SECTION 12- ECOLOGICAL INFORMATION

**Toxicity:** Material data lacking.

**Persistence and degradability:** Material data lacking.

**Bioaccumulative potential:** Material data lacking.

**Mobility in Soil:** Material data lacking.

**Other adverse effects:** No studies have been found.

**Other Information:** No data is available on the adverse effects of this material on the environment.

### 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 3264

UN proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (Hydrofluoric & Sulfuric Acid)

Hazard class: 8

Packing group: II

### SECTION 15- REGULATORY INFORMATION

No data available

### SECTION 16- OTHER INFORMATION

References: Not available

Other Special Considerations: Not available

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