

SDS - SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification



Product Name: **RUST-RHINO**

Product Use: Laundry Care

Product Code:

SDS No. R-002

3795 NW 38th St. Miami, FL 33142

Phone: 305-638-7171

email: ortachemicalcorp@gmail.com

24 Hrs Emergency Phone Number:

305-799-9481

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Section 2. Hazards(s) Identification

GHS CLASSIFICATIONS

Health:

Acute Toxicity (oral), Category 4
Acute Toxicity (dermal), Category 3
Eye Damage, Category 1
Skin Corrosion, Category 1B

GHS LABEL



SIGNAL WORD: DANGER

HAZARD STATEMENTS

Causes severe skin burns and eye damage.
May be harmful if inhaled.
Harmful if swallowed.
Toxic if contact with skin

PRECAUTIONARY STATEMENTS

Wear protective gloves and clothing, eye and face protection. Wash skin thoroughly after handling.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or physician.

IF ON SKIN: Remove immediately all contaminated clothing and rinse skin with plenty of water before reuse. If skin rash or irritation occurs, get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

STORAGE: Store locked up. **DISPOSAL:** Dispose of contents/container to an approved waste disposal plant.

Section 3. Composition / Information on Ingredients

CHEMICAL NAME	Wt. %	CAS
Hydrofluoric Acid	1 - 5	7664-39-3

COMMENTS: NA - Not Applicable

Section 4. First Aid Measures

IN CASE OF EYES CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

IN CASE OF SKIN CONTACT: Immediately flush with with large quantities of lukewarm water for at least 15 minutes while removing contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

IF INGESTED: Aspiration hazard. If swallowed DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

IF INHALED: If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Section 5. Fire Fighting Measures Hazards(s) Identification

Suitable extinguishing media:	Use water spray, fog or foam.
Unsuitable extinguishing media:	None known.
Specific hazard during fire fighting:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, phosphorus oxides.
Special protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Specific extinguishing methods:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (section B). Do not touch or walk through spilled material.
Environmental precautions:	Avoid contact of spilled material and runoff with soil and surface waterways.
Methods and materials for containment and cleaning up:	Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb and neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled waste container. Use a water rinse for final clean-up.

Section 7. Handling and Storage

HANDLING:	Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Do not mix with bleach or other chlorinated products, will cause chlorine gas. Wash thoroughly after handling.
STORAGE:	Keep out of reach of children. Keep container tightly closed.
STORAGE TEMPERATURE:	15°C (59°F) Minimum, to 45°C (113°F) Maximum.
Notes:	Store in a cool place below 120°F (49°C).

Section 8. Exposure Controls / Personal Protection

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)							
Chemical Name		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Hydrofluoric Acid	TWA	3 / 8 hr.			0.5 / 8 hr.	NL	NL
	STEL					NL	NL

Section 8. Exposure Controls / Personal Protection (continuation)

PERSONAL PROTECTIVE EQUIPMENT:

- EYES AND FACE:** Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent) are recommended.
- SKIN:** Wear protective clothing including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse.
- RESPIRATORY:** Good general ventilation should be sufficient to control airborne levels.

OTHER USE PRECAUTIONS:



Section 9. Physical and Chemical Properties

PHYSICAL STATE:	Liquid	FLASH POINT AND METHOD:	> 93°C (199.9°F)
ODOR:	Mild, characteristic odor	MELTING/FREEZING POINT:	No data available
APPEARANCE:	Clear liquid	FLAMMABLE LIMITS:	No data available
COLOR:	No color	VAPOR PRESSURE:	No data available
Ph:	< 1	VAPOR DENSITY:	No data available
ODOR TRESHOLD:	No data available	BOILING POINT:	to 98.9°C (210°F)
PERCENT VOLATILE:	NA = Not Applicable	SPECIFIC GRAVITY:	1.014
WATER SOLUBILITY:	Soluble	(VOC):	Not Established

Section 10. Stability and Reactivity

- STABLE:** Under normal conditions.
- HAZARDOUS POLIMERIZATION:** No
- INCOMPATIBLE MATERIALS:** Highly reactive or incompatible with the following materials: alkalis.
Reactive or incompatible with the following materials: metals and moisture.
Slightly reactive or incompatible with the following materials: organic materials.
Do not mix with bleach or other chlorinated products, will cause chlorine gas.

Section 11. Toxicological Information

ACUTE:

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Hydrofluoric Acid	80 mg/kg (Guinea Pig)		1,070 mg/m3 (Rat 1 Hr.)

REPRODUCTIVE TOXICITY:

- REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.
- TERATOGENIC EFFECTS:** No known significant effects or critical hazards.

CARCINOGENICITY:

No known significant effects or critical hazards.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as possible or confirmed human carcinogen by IARC.

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.

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

MUTAGENICITY:

No known significant effects or critical hazards.

Section 12. Ecological Information

ENVIRONMENTAL DATA: No known significant effects or critical hazards

AQUATIC TOXICITY (ACUTE):

Aquatic Toxicity

Product/Ingredient Name	Test	Result	Species	Exposure
Hydrofluoric Acid		Acute LC50 > 500 mg/L Salt Water	Fishes	96 hours
		Acute LC50 10.5 mg/L Salt Water	Crustaceans	96 hours

Section 13. Disposal Considerations

DISPOSAL METHOD: Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities for additional information.

Waste Stream Code: D002

Classification: Hazardous waste.

Origin: (RCRA WASTE)

Section 14. Transport Considerations

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	1790	Corrosive liquid, Poisonous, NOS (Hydrofluoric Acid)	8,6.1	II	
IMDG Class	1790	Corrosive liquid, Poisonous, NOS (Hydrofluoric Acid)	8,6.1	II	

NOTE: DOT classification applies to most package sizes. For specific container size classification or for size exceptions, refer to the Bill of Lading with your shipment. PG*: Packing Group

Section 15. Regulatory Information

UNITED STATES

FSARA TITLE III (SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Product Name

No products were found

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Hydrofluoric Acid (100 Lbs)

Clean Air Act (CaA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

United States Inventory (TSCA 8B): All componenets are listed or exempted.

OTHER CONSIDERATIONS: NA = Not Applicable

EXPLOSION HAZARDS: NA = Not Applicable

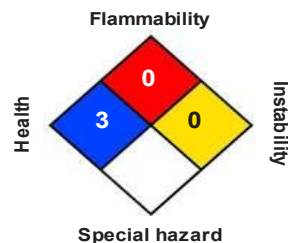
FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus operated in pressure-demand mode, (NIOSH APPROVED OR EQUIVALENT) and full protective gear.

Section 16. Other Information

HMIS III RATING:

HEALTH		3	0 = No significant 1 = Slight 2 = Moderate 3 = High 4 = Extreme * = Chronic
FLAMMABILITY		0	
REACTIVITY		0	

NFPA CODES:



NOTICE TO READER: To the best of our knowledge, the information contained herein is accurate with respect to the formula used to manufacture this product. However neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the use. Although certain hazards are described here in, we can no guarantee that these are the only hazards that exist.