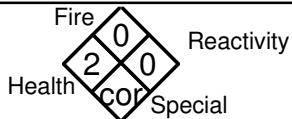


## HAZARD RATING

4-EXTREME  
3-HIGH  
2-MODERATE  
1-SLIGHT



## MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 6-4-07

**SECTION 1 - PRODUCT IDENTIFICATION**

Company Name	Steam Way International, Inc.	Emergency Telephone No.	800-535-5053
Address	4550 Jackson St., Denver, CO 80216	Information Telephone No.	303-355-3566
Product Name / ID#	Rust Remover (1182)	Product Type	Aluminum Brightener <input type="checkbox"/> Proprietary Product

**SECTION 2 - HAZARDOUS INGREDIENTS**

Chemical Name/Common Name	Gas No.	Percent (optional)	TLV (Source)
*Hydrofluoric Acid	7664-38-3	< 5%	TWA 2.5 mg/M3 (asF)
*Phosphoric Acid	7664-38-2	< 5%	1mg/m3(ACGIH)
Oxalic Acid	144-62-7	< 5%	NA

\* Substances  Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

**SECTION 3 - PHYSICAL DATA**

Boiling Point (°F)	> 200°F	Specific Gravity (H <sub>2</sub> O=1.0)	1.0192 ± 0.005	pH	1.5	% VOC (ww)	0
Solubility In Water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable or (Dispersible) <input type="checkbox"/> Slight (or Partial)						
Evaporation Rate (vs H <sub>2</sub> O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		Vapor Pressure	NA	Vapor Density	NA	
Appearance and Odor	Clear colorless liquid with pungent odor.						

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (T.C.C.)	<input checked="" type="checkbox"/> None to boiling						
Flammable Limits	Upper	NA	Lower	NA			
Extinguishing Media	Water fog, water stream, CO <sub>2</sub> , dry chemical, foam.						
Special Fire Fighting Procedures	Wear self contained breathing apparatus.						
Unusual Fire Explosion Hazards	Reaction with certain metals may generate flammable & potentially explosive hydrogen gas						

**SECTION 5 - REACTIVE DATA**

Stability	Stable	Incompatibility	Strong alkalis, strong oxidizers, metals. Do not mix or contaminate w/other materials				
Hazardous Decomposition Products	Hydrogen fluoride and Ammonia fumes.						

**SECTION 6 - HEALTH HAZARDS**

Threshold Limit Value Product See Section 2 for Ingredients TLV	<input checked="" type="checkbox"/> None Established <input type="checkbox"/> Not Applicable		Primary routes of Exposure	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation			
Signs Symptoms of Over-exposure (Acute)	Redness, watering & irritation to the eyes. May cause irritation & burns not immediately painful or apparent. Ingestion may cause irritation to oral cavity, nausea. Irritation to mucous membranes, and shortness of breath if swallowed. cause burns & blisters. Ingestion may cause burns to oral cavity, blistering. Inhalation may cause burns to mucous membranes, coma.						
Signs Symptoms of Over-exposure (Chronic)	Contact with eyes may cause severe burns & possibly blindness. Contact with skin may						
Medical Conditions Aggravated by Over-exposure	Eyes and skin allergies, open sores.						
Carcinogen/Suspected Carcinogen Ingredients:	Unknown	<input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input type="checkbox"/> None					

**SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)**

Eyes	Flush with plenty of water for 15 minutes while holding eyelids open. Get medical attention immediately.
Skin	Flush with large quantities of water for 15 to 20 min, thoroughly clean under nails. Remove contaminated clothing. Get medical help.
Ingestion	Give quantities of water to dilute. DO NOT induce vomiting. Get medical attention immediately.
Inhalation	Remove to fresh air. Give artificial respiration if qualified. Get medical attention.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection	For prolonged use, wear NIOSH approved respirator for HF gas or mist, as applicable.		
Ventilation requirements	<input checked="" type="checkbox"/> Local Exhaust	<input checked="" type="checkbox"/> Mechanical	As needed to minimize exposure to vapors or mists.
Protective Gloves	Rubber gloves	Eye Protection	Chemical goggle or full face shield
Other Protective Clothing	Chemical apron and boots		

**SECTION 9 - SPILL OR LEAK PROCEDURES**

Steps to be Taken if Released or Spilled	Contain small spill and dilute with water. Large spill, wear NIOSH approved ventilator or self contained breathing apparatus. Contain spill & dilute with water. Neutrallize with Soda ash or 10% Caustic soda solution
Waste Disposal Methods	Check with Federal, State and Local regulations for proper disposal.

**SECTION 10 - STORAGE AND HANDLING INFORMATION**

Precautions to be Taken in handling and Storage	Store in cool, dry palce away from direct sunlight. Keep away from children in a locked storage cabinet. Always wear rubber gloves and eye goggles when handling even for short periods.
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