



**MATERIAL SAFETY DATA SHEET**  
M.S.D.S. Prepared to comply with O.S.H.A.  
Hazard Communication Standard,  
29 CFR 1910.1200

HAZARD RATING		
0 = Insignificant	Health	3
1 = Slight	Fire	0
2 = Moderate	Reactivity	0
3 = High		
4 = Extreme		

PROD NAME: **RUST O LIM** Prod No.: 598 Date Revised: 8/2004

**SECTION I: MANUFACTURERS INFORMATION**

Manufactured By: <b>LAWTON BROS., INC.</b>	<b>EMERGENCY PHONE NO.: INFOTRAC 1-800-535-5053</b>
Street Address: <b>2515 Dinneen Ave.</b>	Information Phone No.: 1-407-291-2501
Mailing Address: <b>P.O. Box 547635</b>	Product Type: RUST REMOVER
City/State/Zip <b>Orlando, FL. 32854-7635</b>	Formula Type: ACID FLUORIDES

**SECTION II: HAZARDOUS INGREDIENT INFORMATION**

HAZARDOUS COMPONENTS	C.A.S. REG NOS.	OSHA PEL	ACGIH TLV	WT.% MAX
AMMONIUM BIFLUORIDE	1341-49-7	2.5 mg/M <sup>3</sup>	2.5 mg/M <sup>3</sup>	7.00
ETHYLENEGLYCOLMONOBUTYLETHER	111-76-2	50 PPM	25 PPM	4.00

HAZARDOUS COMPONENTS LISTED ARE SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III AND 40 CFR PART 372.

**SECTION III: PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: > 100°C	Evaporation Rate vs H <sub>2</sub> O: NA	Viscosity: WATER THIN	Specific Gravity: 1.000
Freezing Point: < 0°C	Vapor Density vs Air: NA	Solubility in H <sub>2</sub> O: COMPLETE	pH @ 25°C: 2.5 ± .5

Appearance and odor: WATER THIN CLEAR LIQUID WITH SLIGHT PUNGENT ACIDIC ODOR.

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Flash Point (method used): NOT FLAMMABLE OR COMBUSTIBLE.	Flammable Limits	LEL	UEL
Extinguishing Media: MEDIA APPROPRIATE FOR SURROUNDING FIRE.			
Special Fire Fighting Procedure: USE <i>NIOSH</i> APPROVED SELF CONTAINED BREATHING APPARATUS OPERATED IN THE POSITIVE PRESSURE OR OTHER PRESSURE MODE.			
Unusual Fire & Explosion Hazards: FIRE RELEASES TOXIC HYDROGEN FLUORIDE GAS.			

**SECTION V: REACTIVITY DATA**

Stability: STABLE	Incompatibility: DO NOT MIX WITH ANY OTHER CHEMICALS NOT RECOMMENDED ON LABEL.
Hazardous Decomposition Products (thermal): POISONOUS HYDROGEN FLUORIDE GAS.	

**SECTION VI: HEALTH HAZARDS, SIGNS OF OVEREXPOSURE OR ACCIDENTAL CONTACT**

Eyes: CORROSIVE. CAUSES IRRITATION, REDNESS, PAIN AND MAY CAUSE PERMANENT TISSUE DAMAGE.
Skin: CORROSIVE. EXCESSIVE OR REPEATED EXPOSURE MAY CAUSE CALCIFICATION OF SKELETAL SYSTEM. MAY AGGRAVATE PREEEXISTING DISORDERS OF KIDNEYS, RESPIRATORY TRACT OR CENTRAL NERVOUS SYSTEM.
Inhalation: CORROSIVE TO ALL INTERNAL BODY TISSUE. SYMPTOMS INCLUDE COUGHING, SORE THROAT, LUNG CONGESTION, RAPID BREATHING AND POSSIBLE NASAL PERFORATION.
Swallowing: TOXIC. CORROSIVE. OTHER SYMPTOMS SAME AS FOR INHALATION.
Carcinogenicity: THIS PRODUCT IS NOT A SUSPECTED CARCINOGEN BASED ON COMPONENT DATA.

**SECTION VII: EMERGENCY FIRST AID PROCEDURES**

Eyes: IMMEDIATELY FLUSH WITH COOL WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL HELP.
Skin: IMMEDIATELY WASH WITH SOAP AND WATER. WASH THOROUGHLY UNDER FINGERNAILS. APPLY LIQUID ANTACID SOLUTION. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
Inhalation: FOR OVEREXPOSURE, REMOVE FROM AFFECTED AREA. GET IMMEDIATE MEDICAL HELP.
Swallowing: TAKE MILK OF MAGNESIA OR CALCIUM CARBONATE ANTACID WITH WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**SECTION VIII: PERSONAL PROTECTION INFORMATION**

Protective Equipment: IT IS RECOMMENDED TO WEAR RUBBER GLOVES AND PROTECTIVE EYEWEAR WHEN USING THIS OR ANY CHEMICAL CLEANING PRODUCT. IF SPRAY APPLYING, VENTILATION AND BREATHING PROTECTION IS RECOMMENDED.

**SECTION IX: SPILL OR LEAK PROCEDURES**

If Spilled or Released: MOP UP OR USE ABSORBENT SWEEPING COMPOUND. PROPERLY CONTAIN WASTE.
Waste Disposal Method: DISPOSAL SHOULD BE IN ACCORDANCE WITH STATE AND FEDERAL WASTE DISPOSAL LAWS.

**SECTION X: STORAGE AND HANDLING INFORMATION**

STORE IN ORIGINAL CLOSED CONTAINER IN COOL AREA. KEEP OUT OF REACH OF CHILDREN.

**SECTION XI: D.O.T. HAZARD CLASS AND SHIPPING NAME**

Hazard Class: CORROSIVE POISON.
Proper Shipping Name: AMMONIUM HYDROGENDIFLUORIDE SOLUTION, 8, UN2817, II