

SAFETY DATA SHEET

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Printed: 05/01/2021

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Rust Off (RD-160)

Company

Pro-Line Solutions
617 Buck Hendry Way
Stuart FL 34994

772-232-9992

**Emergency Contact:
Information:**

Infotrac 24 Hour Emergency Contact

800-535-5083

Intended Use:

Removes rust and rust stains

Additional Information

This product is regulated by the United States Consumer Product Safety and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 1A-1C

Serious Eye Damage/Eye Irritation, Category



GHS Signal Word:

Danger

GHS Hazard Phrases:

H314: Causes severe skin burns and eye

H318: Causes serious eye

GHS Precaution Phrases:

P260: Do not breathe

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face

GHS Response Phrases:

protection}.

P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove

contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment {see ... on this label}.

**GHS Storage and Disposal
Phrases:**

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

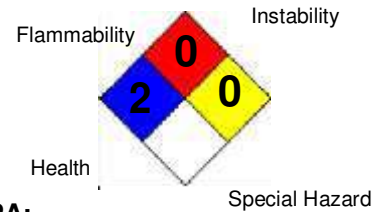
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Hazard Rating System:

Health	-	2
Flammability		0
Physical		0
PPE		X



HMIS:

NFPA:

OSHA Regulatory Status:

This material is classified as hazardous under OSHA

Potential Health Effects (Acute and Chronic):

ACUTE EYE CONTACT:

May cause mild eye irritation. Symptoms include pain, stinging, tearing, blinking, swelling, and redness. May cause conjunctivitis and corneal burns.

ACUTE SKIN CONTACT:

May cause skin irritation. Symptoms may include redness and burning of the skin. Repeated or prolonged contact may cause dermatitis.

ACUTE INGESTION:

Ingestion may cause corrosion and burns of the mouth, throat, esophagus, stomach, small bowel, and digestive tract with vomiting, abdominal pain, collapse, and possible convulsions. Death may result.

ACUTE INHALATION:

May cause irritation of the nose, throat, and airways. May cause central nervous system depression, dizziness, drowsiness, weakness, nausea, headache, and unconsciousness.

Medical Conditions Generally Preexisting disorders of the lung and kidney

Aggravated By Exposure:

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
144-62-7	Oxalic acid	< 50 %
1341-49-7	Ammonium Bifluoride	<15.0 %

Additional Chemical Information

Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid

EYE CONTACT:
Immediately begin flushing the eyes with water, remove any contact lens, and flushing for a minimum of 15 minutes. After this, get immediate medical attention.

Procedures:

SKIN CONTACT:
Immediately wash with soap and water. Remove contaminated clothing while washing.
If irritation persists, get medical attention.

INGESTION:
Call your poison control center, hospital emergency room or physician immediately for instructions. You can immediately drink large amounts of water or milk with added milk of magnesia. Do not induce vomiting unless directed by medical personnel.

INHALATION:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Signs and Symptoms Of Exposure:

See Potential Health Effects.

5. FIRE FIGHTING MEASURES

Flash Pt:	No Data	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Non-combustible liquid - use extinguishing media for underlying cause of Dry Chemical, Carbon Dioxide, Foam, Water Spray	
Unsuitable Extinguishing Fire Fighting Instructions:	None known. Self-contained respiratory protection should be provided for fire fighters fighting fires buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have	
Flammable Properties and Hazards:	been exposed to intense heat or flame. WILL NOT BURN.	

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Stay upwind. Wear protective equipment and clothing to prevent skin and eye contact and

You may dilute and suppress vapors with a water fog. Neutralize product with lime. Collect material for proper disposal. Prevent runoff to sewers and bodies of water.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:

Use only with adequate ventilation.
Avoid breathing of vapors or mist.
Prevent skin and eye contact.
Prevent ingestion of material.

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Use with a source of water in the immediate area for flushing of the skin and eyes.

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all applicable local, state, and federal regulations. Do not reuse this container.

Precautions To Be Taken in Storing: Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
144-62-7	Oxalic acid	PEL: 1 mg/m ³	TLV: 1 mg/m ³	No data.
1341-49-7	Ammonium Bifluoride;	PEL: 3 ppm	CEIL: 3 ppm	No data.

Respiratory Equipment (Specify Type): When used as directed, respiratory equipment should not be needed. Use with

Wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits.

Eye Protection:

faceshield. Have a source of clean water available for immediate flushing of the eyes.

Other Protective Clothing:

Various application methods can dictate use of additional protective safety such as impermeable aprons, etc., to minimize exposure.

Engineering Controls (Ventilation etc.):

Use process enclosures, local exhaust ventilation, or other engineering controls to

Use only with adequate ventilation to prevent buildup of vapors.

Open windows and doors and maintain a cross ventilation of moving fresh air across the work area.

If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Wash hands thoroughly

after use and before eating, drinking, or smoking. Do not eat,

Clothing that becomes soiled with product should be removed as soon as possible and laundered separately.

Discard any clothing or other protective equipment that cannot be decontaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: liquid, Pink
Melting Point: ~ 32.00 F
Boiling Point: >= 212.00 F
Autoignition Pt: No data.
Flash Pt: No data.
Explosive Limits: LEL: No data. UEL: No data.
Specific Gravity (Water = 1): 1.03
Density: 8.58 LB/GL
Vapor Pressure (vs. Air mm Hg): < 1 MM HG at 68.0 F
Vapor Density (vs. Air = 1): No data.
Evaporation Rate: < 1
Solubility in Water: Soluble
pH: < 1
Percent Volatile: 92.6 % by weight.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: Alkalies, silver compounds, strong oxidizers, strong bases, strong acids, oleum,

Hazardous Decomposition Or Byproducts: Flourides, carbon monoxide, carbon dioxide, toxic formic acid, organic compounds.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Product has not been tested as a whole. Refer to section 2 for acute and chronic effects.

CAS# 144-62-7:

Eyes, Species: Rabbit, 100.0 MG, 4 S, Severe.

Result:

Behavioral: Excitement.

Lungs, Thorax, or Respiration:Respiratory depression.

Skin and Appendages: Other: Hair.

- Food and Chemical Toxicology., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 20,573, 1982

CAS# 57-55-6:

Acute toxicity, LD50, Oral, Rat, 20.00 GM/KG.

Result:

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes.

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation.

Lungs, Thorax, or Respiration:Other changes.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN

55802, Vol/p/yr: 45,362, 1978

CAS# 7664-39-3:

Standard Draize Test, Eyes, Human, 50.00 MG, Severe.

Result:

Related to Chronic Data - death.

- Annales de Medecine Legale et de Criminologie., For publisher information, see

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
144-62-7	Oxalic acid {Ethanedioic acid}	n.a.	n.a.	n.a.	n.a.
1341-49-7	Ammonium Bifluoride	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information:

Product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose in accordance with applicable local, state, and federal regulations.

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14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: UN1760 Corrosive Liquid(containing Ammonium Bifluoride, Oxalic Acid) N.O.S. 8, PGIII
:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
144-62-7	Oxalic acid	No	No	No
1341-49-7	Ammonium Bifluoride	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections

Yes No Acute (immediate) Health Hazard
 Yes No Chronic (delayed) Health Hazard
 Yes No Fire Hazard
 Yes No Sudden Release of Pressure
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
144-62-7	Oxalic acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
1341-49-7	Ammonium Bifluoride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

16. OTHER INFORMATION

Revision Date: 05/01//2021

Additional Information About : No data available.

Company Policy or Disclaimer:

The information contained herein is presented in good faith and believed to be accurate. This information is furnished without warranty of any kind. Employers should use this information gathered by them and must make independent determination of suitability and completeness of information from all source to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.