



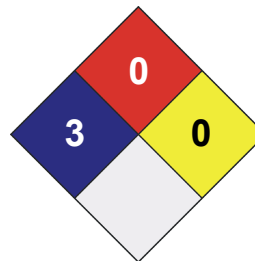
# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product name** Rid O' Rust Exterior Rust Stain Remover  
**CAS #** Mixture  
**Product use** Rust Stain Remover  
**Manufacturer information** Pro Products LLC  
 7201 Engle Road  
 Fort Wayne, IN 46804-5875 US  
 Phone 260-483-2519  
 Emergency Phone: 1-800-424-9300 (CHEMTREC)

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



## 2. Hazards Identification

**Emergency overview** DANGER  
 CAUSES EYE BURNS.  
 CAUSES SKIN BURNS.

**Potential short term health effects**  
**Routes of exposure** Eye, Skin contact, Skin absorption, Inhalation, Ingestion.  
**Eyes** Causes chemical burns. May cause blindness.  
**Skin** Causes chemical burns.  
**Inhalation** May cause respiratory tract irritation or chemical burns.  
**Ingestion** May cause chemical burns to mouth, throat and stomach.

**Target organs** Eyes. Respiratory system. Skin. Kidney.

**Chronic effects** Chronic inhalation of oxalic acid can result in formation of kidney and urinary tract stones. Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

**Signs and symptoms** The product causes burns of eyes, skin and mucous membranes.

**OSHA regulatory status** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential environmental effects** See section 12.

## 3. Composition/Information on Ingredients

Components	CAS #	Percent
Ethanedioic acid, dihydrate	6153-56-6	3 - 7

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

**Skin contact** Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical advice immediately.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

<b>Notes to physician</b>	Treat patient symptomatically.
<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

---

### 5. Fire Fighting Measures

---

<b>Flammable properties</b>	Not flammable by WHMIS/OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, CO2, water spray or regular foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Formic acid
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	Not available.

---

### 6. Accidental Release Measures

---

<b>Personal precautions</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

---

### 7. Handling and Storage

---

<b>Handling</b>	<p>DANGER -- CORROSIVE</p> <p>Use good industrial hygiene practices in handling this material.</p> <p>Do not get in eyes, on skin or on clothing.</p> <p>Use only with adequate ventilation.</p> <p>Avoid breathing vapors or mists of this product.</p> <p>Keep container tightly closed.</p> <p>Wash thoroughly after handling.</p>
<b>Storage</b>	<p>Keep out of the reach of children.</p> <p>Store in a cool, dry, well-ventilated place away from incompatible materials.</p> <p>Protect from sunlight.</p>

---

### 8. Exposure Controls/Personal Protection

---

#### Occupational exposure limits

##### US. ACGIH Threshold Limit Values

Components	Type	Value
Ethanedioic acid, dihydrate (CAS 6153-56-6)	STEL	2 mg/m3
	TWA	1 mg/m3

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Ethanedioic acid, dihydrate (CAS 6153-56-6)	PEL	1 mg/m <sup>3</sup>

<b>Exposure limits</b>	There are no established ACGIH or OSHA PEL exposure limits for the hazardous chemicals listed in section 3 of the MSDS.
<b>Engineering controls</b>	Local exhaust recommended.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear chemical goggles.
<b>Hand protection</b>	Impervious gloves. Confirm with reputable supplier first.
<b>Skin and body protection</b>	As required by employer code. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>General hygiene considerations</b>	Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

---

## 9. Physical and Chemical Properties

---

<b>Appearance</b>	Clear
<b>Color</b>	Colorless
<b>Form</b>	Liquid
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>pH</b>	< 1
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Melting point</b>	Not available.
<b>Pour point</b>	Not available.
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	1.02
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Relative density</b>	Not available.
<b>Viscosity</b>	Not available.
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available

---

## 10. Stability and Reactivity

---

<b>Reactivity</b>	Oxalic acid is a mild reducing agent and is easily oxidized. Reacts vigorously with alkaline material. This product may react with reducing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	High temperatures. Do not mix with other chemicals.
<b>Incompatible materials</b>	Alkaline materials. Acids. Oxidizers. Chlorites Combustible materials. Reducing agents.

## 11. Toxicological Information

**Toxicological data**

Components	Species	Test Results
Ethanedioic acid, dihydrate (CAS 6153-56-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	20000 mg/kg
<i>Oral</i>		
LD50	Rat	375 mg/kg
LDL0	Dog	1000 mg/kg
<b>LC50</b>		
Not available.		

**Effects of acute exposure**

<b>Eye contact</b>	Causes chemical burns. May cause blindness.
<b>Skin contact</b>	Causes chemical burns.
<b>Inhalation</b>	May cause respiratory tract irritation or chemical burns.
<b>Ingestion</b>	May cause chemical burns to mouth, throat and stomach.
<b>Sensitization</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Chronic effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Carcinogenicity</b>	Not classified or listed by IARC, NTP, OSHA and ACGIH.
<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Reproductive effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Name of Toxicologically Synergistic Products</b>	Not available.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not available.		
<b>Ecotoxicological data</b>			
<b>Components</b>	<b>Species</b>	<b>Test Results</b>	
Ethanedioic acid, dihydrate (CAS 6153-56-6)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	125 - 150 mg/l, 48 hours
<b>Persistence and degradability</b>	Not available.		
<b>Bioaccumulation / Accumulation</b>	Not available		
<b>Mobility in environmental media</b>	Not available.		
<b>Environmental effects</b>	Not available.		
<b>Aquatic toxicity</b>	Not available.		
<b>Partition coefficient</b>	Not available.		
<b>Chemical fate information</b>	Not available.		

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

---

## 14. Transport Information

---

### U.S. Department of Transportation (DOT)

#### Basic shipping requirements:

**UN number** UN1760  
**Proper shipping name** Corrosive liquids, n.o.s. (Ethanedioic acid, dihydrate)  
**Hazard class** 8  
**Packing group** III  
**Special provisions** IB3, T7, TP1, TP28  
**Packaging exceptions** 154

### Transportation of Dangerous Goods (TDG - Canada)

#### Basic shipping requirements:

**UN number** UN1760  
**Proper shipping name** CORROSIVE LIQUID, N.O.S. (Ethanedioic acid, dihydrate)  
**Hazard class** 8  
**Packing group** III  
**Special provisions** 16

### DOT



### TDG



---

## 15. Regulatory Information

---

**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**WHMIS status** Controlled

**WHMIS classification** Class E - Corrosive Material

#### WHMIS labeling



### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200** Yes  
**hazardous chemical**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Ethanedioic acid, dihydrate (CAS 6153-56-6) 1.0 % One-Time Export Notification only.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - California Hazardous Substances (Director's): Listed substance**

Ethanedioic acid, dihydrate (CAS 6153-56-6) Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**US - Minnesota Haz Subs: Listed substance**

Ethanedioic acid, dihydrate (CAS 6153-56-6) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Ethanedioic acid, dihydrate (CAS 6153-56-6) Listed.

**US - Texas Effects Screening Levels: Listed substance**

Ethanedioic acid, dihydrate (CAS 6153-56-6) Listed.

**US. Massachusetts RTK - Substance List**

Ethanedioic acid, dihydrate (CAS 6153-56-6) Listed.

**US. Pennsylvania RTK - Hazardous Substances**

Ethanedioic acid, dihydrate (CAS 6153-56-6) Listed.

**US. Rhode Island RTK**

Not regulated.

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information****Disclaimer**

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

**Issue date**

04-November-2013

**Effective date**

01-November-2013

**Expiry date**

01-November-2016

**Prepared by**

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.