

1. Product and Company Identification			
Product Name CAS # Product use Manufacturer	Rid O' Rust Formula 500 Mixture Rust Stain Preventer Pro Products LLC 7201 Engle Road Fort Wayne, IN 46804-5875 US Phone 260-483-2519 Emergency Phone: 1-800-424-9300 (CHEMTREC)		
LEGENDHMIS/NFPASevere4Serious3Moderate2Slight1Minimal0	Health / 1 Flammability 0 Physical Hazard 0 Personal Protection B		
	2. Hazards Identification		
Emergency overview	WARNING CAUSES EYE IRRITATION. Corrosive to metals.		
Potential short term health effects			
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.		
Eyes	Causes irritation.		
Skin	Non-irritating based on test data.		
Inhalation	May cause respiratory tract irritation.		
Ingestion	May cause stomach distress, nausea or vomiting.		
Target organs	Eyes. Skin. Respiratory system.		
Chronic effects	Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.		
Signs and symptoms	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.		
OSHA Regulatory Status	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.		
Potential environmental effects	This product has not been tested.		

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Citric acid	77-92-9	30 - 60

## 4. First Aid Measures

Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.
Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

General advice

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. Wear safety glasses. Keep out of reach of children.

#### 5. Fire Fighting Measures Not flammable by WHMIS/OSHA criteria. Flammable properties Extinguishing media Suitable extinguishing media Carbon dioxide. Water spray. Dry chemical. Foam. Unsuitable extinguishing media Not available Protection of firefighters Specific hazards arising from Not available the chemical Protective equipment for Firefighters should wear full protective clothing including self contained breathing apparatus. firefighters May include and are not limited to: Oxides of carbon. Hazardous combustion products Explosion data Sensitivity to mechanical Not available impact Not available Sensitivity to static discharge 6. Accidental Release Measures Keep unnecessary personnel away. Do not touch or walk through spilled material. Do Personal precautions not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Do not contaminate water. **Environmental precautions** Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift. Methods for cleaning up 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 in original containers for re-use. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water. 7. Handling and Storage Handling Use good industrial hygiene practices in handling this material. Keep out of the reach of children. Store in a closed container away from incompatible Storage materials.

#### 8. Exposure Controls / Personal Protection

Exposure limits Ingredient(s)	Exposure Limits	
Citric acid	ACGIH-TLV	
	TWA: 10 mg/m3	
	OSHA-PEL	
	TWA: 10 mg/m3	
Engineering controls	Not normally required if good ventilation is maintained.	
Personal protective equipment		
Eye / face protection	Wear safety glasses with side shields.	
Hand protection	Not normally required.	
Skin and body protection	As required by employer code.	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.	

**General hygiene considerations** 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.

Appearance	Clear.
Color	Blue
Form	Liquid
Odor	Odorless
Odor threshold	Not available
Physical state	Liquid
рН	<1.0
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.19
Octanol/water coefficient	Not available
Percent volatile	Not available

### 9. Physical and Chemical Properties

### 10. Stability and Reactivity

Reactivity	This product may react with strong alkalies.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Caustics. Oxidizers. Reducing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

## **11. Toxicological Information**

Component analysis - LC50		
Ingredient(s)	LC50	
Citric acid	Not available	
Component analysis - Oral LD50		
Ingredient(s)	LD50	
Citric acid	5040 mg/kg mouse; 3000 mg/kg rat	
Effects of acute exposure		
Еуе	Causes irritation.	
Skin	Non-irritating based on test data.	
Inhalation	May cause respiratory tract irritation.	
Ingestion	May cause stomach distress, nausea or vomiting.	
Sensitization	Non-hazardous by WHMIS/OSHA criteria.	
Chronic effects	Non-hazardous by WHMIS/OSHA criteria.	
Carcinogenicity	Not classified or listed by IARC, NTP, OSHA and ACGIH.	
Mutagenicity	Non-hazardous by WHMIS/OSHA criteria.	
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## **12. Ecological Information**

Ecotoxicity	See below
Ecotoxicity - Freshwater Fish - Acu	
Citric acid 7 Ecotoxicity - Water Flea - Acute To	77-92-9 96 Hr LC50 Lepomis macrochirus: 1516 mg/L [static]
•	77-92-9 72 Hr EC50 Daphnia magna: 120 mg/L
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Mobility in environmental media	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Partition coefficient	Not available
Chemical fate information	Not available
Other adverse effects	Not available
	13. Disposal Considerations
Disposal instructions	Review federal, state/provincial, and local government requirements prior to disposal.
Waste from residues / unused products	Not available
Contaminated packaging	Not available
	14. Transport Information
U.S. Department of Transportation	ם. (DOT)
Basic shipping requirements:	
Proper shipping name	Corrosive liquid, acidic, organic, n.o.s. (1,2,3-PROPANETRICARBOXYLIC ACID, 2-HYDROXY-)
Hazard class	8
UN number	UN3265
Packing group	
Additional information:	
Special provisions	IB3, T7, TP1, TP28
Packaging exceptions	154
ERG number	153
Transportation of Dangerous Goo Basic shipping requirements:	
Proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (1,2,3-PROPANETRICARBOXYLIC ACID, 2-HYDROXY-)
Hazard class	8
UN number	UN3265
Packing group	
Additional information:	
Special provisions	16 8
- F	

# 15. Regulatory Information

Canadian federal regulations	This product has been classified in accordance with the haze Products Regulations and the MSDS contains all the informa Controlled Products Regulations.	
Canada - WHMIS - Ingredient Disc	losure List	
Citric acid	77-92-9 1 %	
WHMIS status	Controlled	
WHMIS classification	Class D - Division 2B, Class E - Corrosive Material	
WHMIS labeling		
Occupational Safety and Health A	Administration (OSHA)	
29 CFR 1910.1200 hazardous chemical	Yes	
US Federal regulations	This product is a "Hazardous Chemical" as defined by the O Communication Standard, 29 CFR 1910.1200.	SHA Hazard
CERCLA (Superfund) reportable of None	quantity	
Superfund Amendments and Rea	uthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
Section 302 extremely hazardous substance	No	
Section 311 hazardous chem	ical Yes	
Clean Air Act (CAA)	Not available	
Clean Water Act (CWA)	Not available	
State regulations	This product does not contain a chemical known to the State cancer, birth defects or other reproductive harm.	e of California to cause
Inventory name		
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
	s of this product comply with the inventory requirements administered by the	roverning country(c)

#### 16. Other information

Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
Issue date	17-Jan-2011
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Prepared by	Dell Tech Laboratories Ltd. (519) 858-5021
Other information	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.