

# **Material Safety Data Sheet**

#### Section 1. Chemical Product and Company Identification

**Product name** 

RUST STAIN REMOVER

**Product use** 

Laundry stain Remover.

Product code

1564

Date of issue

04/14/14

Supersedes 05/05/11

# **Emergency Telephone Numbers**

#### For MSDS Information:

Technical Services Group Telephone (780) 453-8100 (Business Hours 8:00am - 5:00pm)

# For Medical or Transportation Emergency

CANUTEC (24 Hours) (613) 996-6666 - Call Collect

### Prepared By

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# Section 2. Hazards Identification

## **Emergency overview**

## WARNING!

HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED.

Do not breathe vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing. Contains material that may cause target organ damage, based on animal data. Wash thoroughly after handling.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

#### **Acute Effects**

### **Routes of Entry**

Dermal contact. Eye contact. Inhalation.

Eyes

Severely corrosive to the eyes. Causes severe burns. Direct contact with the eyes can cause

irreversible damage, including blindness.

Skin

Severely corrosive to the skin. Causes severe burns. The amount of tissue damage depends on

length of contact. Toxic in contact with skin.

Inhalation

May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.

Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by

coughing, choking or shortness of breath.

Ingestion

Toxic if swallowed. May cause burns to mouth, throat and stomach.

### **Chronic effects**

Contains material which may cause damage to the following organs: kidneys, lungs, liver. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

Additional Information: See Toxicological Information (Section 11)

# Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
OXALIC ACID, DIHYDRATE; Ethanedioic Acid	6153-56-6	7 - 13
PROPYLENE GLYCOL; 1,2-dihydroxypropane,1,2-propanediol	57-55-6	3 - 7
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	1 - 5

### Section 4. First Aid Measures

Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper **Eye Contact** 

and lower evelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

Chemical burns must be treated promptly by a physician.

Get medical attention immediately. Wash contaminated skin with soap and water. Remove contaminated **Skin Contact** 

clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash

clothing before reuse. Clean shoes thoroughly before reuse.

Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide **Inhalation** 

artificial respiration or oxygen by trained personnel. Get medical attention.

If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get

medical attention.

# Section 5. Fire Fighting Measures

Flash Point

Non-combustible.

Flammable Limits Not available.

**Flammability** 

Non-combustible.

**Auto-ignition Temperature** 

**Fire-Fighting Procedures** 

Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear

appropriate protective equipment.

Fire hazard

In a fire or if heated, a pressure increase will occur and the container may burst.

**Products of Combustion** 

carbon oxides (CO, CO<sub>2</sub>) and nitrogen oxides (NO, NO<sub>2</sub> etc.) May decompose to form toxic/

corrosive gases.

**Explosion hazard** 

Not available.

### Section 6. Accidental Release Measures

Spill Clean up

Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Section 7. Handling and Storage

Handling

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Do not reuse container. Wash thoroughly after handling.

**Storage** 

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4. 4°C - 49°C). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep out of the reach of children.

# Section 8. Exposure Controls/Personal Protection

# **Product name**

**Exposure limits** 

No exposure limit value known.

### Personal Protective Equipment (PPE)

**Eyes** 

Recommended: Splash goggles.

Hands and

Recommended: Chemical-resistant gloves. Neoprene Nitrile

**Body** 

Respiratory

Recommended: Use with adequate ventilation. A respirator is not needed under

normal and intended conditions of product use.

**Material Safety Data Sheet** Product code 1564 Product Name RUST STAIN REMOVER

## Section 9. Physical and Chemical Properties

**Physical State** Liquid.

pН 1.5 - 2.0

100°C (212°F) **Boiling Point** 

Specific Gravity 1.05

Easily soluble in the following materials: cold water

and hot water.

**Evaporation Rate** 1 (Water = 1)

Color Clear. Colorless.

Odor Mild.

Vapor Pressure Not determined.

Vapor Density Not determined.

**Freezing Point** 

**Solubility** 

VOC (Consumer) 42 (g/l). 4.0%

# Section 10. Stability and Reactivity

**Stability and Reactivity** 

The product is stable.

Incompatibility

Slightly reactive or incompatible with the following materials: oxidizing materials and alkalis.

**Hazardous Polymerization** 

Will not occur.

**Hazardous Decomposition Products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological Information

Carcinogenicity

Not available.

# **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Oxalic Acid, Dihydrate	LD50 Dermal	Rabbit	20000 mg/kg	<u> </u>
	LD50 Oral	Rat	375 mg/kg	ä
propane-1,2-diol	LD50 Dermal	Rabbit	208 mg/kg	<u>~</u>
	LD50 Oral	Dog	260 mg/kg	-
	LD50 Oral	Mouse	240 mg/kg	*
	LD50 Oral	Rat	200 mg/kg	=
2-aminoethanol	LD50 Dermal	Rabbit	>1000 mg/kg	-
	LD50 Oral	Rat	1720 mg/kg	=
	LD50 Oral	Rat	1720 mg/kg	=

# **Mutagenicity**

Conclusion/Summary

: Not available.

**Teratogenicity** 

Conclusion/Summary

: Not available.

Reproductive toxicity

Conclusion/Summary

: Not available.

# Section 12. Ecological Information

**Environmental Effects** 

No known significant effects or critical hazards.

# **Aquatic Ecotoxicity**

propane-1,2-diol	*	Acute EC50 >1000 mg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	ž.	Acute LC50 1000 mg/l Marine water	Crustaceans - Amphipod -	48 hours
			Chaetogammarus marinus - Young	
	5	Acute LC50 710000 μg/	Fish - Fathead minnow -	96 hours
		l Fresh water	Pimephales promelas	
2-aminoethanol	8	Acute EC50 80000 μg/l	Algae - Haptophyte -	96 hours
		Fresh water	Isochrysis galbana	
	•	Acute LC50 >100000	Crustaceans - Common	48 hours
		μg/l Marine water	shrimp, sand shrimp -	
			Crangon crangon - Adult	
		Acute LC50 170000 μg/	Fish - Goldfish -	96 hours
		l Fresh water	Carassius auratus	

## Section 13. Disposal Considerations

# **Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

#### **Waste Stream**

# Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	3265	Corrosive Liquid, Acidic, Inorganic, N.O.S. (Oxalic Acid, Dihydrate)	8	п	<b>\$</b>	Explosive Limit and Limited Quantity Index
IMDG Class	Not available.	Not available.	Not available.	*		-

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\*: Packing group

# Section 15. Regulatory Information

# Canada

WHMIS (Canada)

Class D-1B: Material causing immediate and serious toxic effects

(Toxic).

Class D-2B: Material causing other toxic effects (Toxic).

Class E: Corrosive material

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.

# Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.