

# Safety Data Sheet

## 1. Identification

<b>Product Information.</b>	B198 (105853)
<b>Product Name:</b>	Rust Remover
<b>Recommended Use.</b>	Professional Carpet Cleaning
<b>Uses advised against.</b>	Professional Use Only
<b>Supplier.</b>	Legend Brands Prochem 15180 Josh Wilson Road Burlington, WA 98233 E-Mail: sds@legendbrands.com 800-932-3030  Legend Brands 4520 Eastgate Parkway Mississauga, ON L4W 3W6 800-932-3030
<b>Emergency telephone number.</b>	INFOTRAC 1-800-535-5053 (North America) +1-352-323-3500 (International)

## 2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Serious Eye Damage, category 1

Skin Corrosion, category 1

### GHS Pictograms



### Signal Word

Danger

### Unknown Acute Toxicity

11.6% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

Causes severe skin burns and eye damage.

Causes serious eye damage.

### Precautionary Statements - Prevention.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
Wash contaminated clothing before reuse.

**Precautionary Statements - Storage.**

Store locked up.

**Precautionary Statements - Disposal.**

Dispose of contents/container to approved disposal plant.

### 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>HMIRA</u>
Oxalic acid	144-62-7	5-10	
Phosphoric acid	7664-38-2	1-5	
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	1-5	
urea hydrochloride	506-89-8	1-5	

### 4. First-aid Measures

**Description of first-aid measures.**

**General advice.**

Call a physician if irritation develops or persists. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Inhalation.**

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

**Skin contact.**

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Call a physician immediately.

**Eye contact.**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

**Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately. Gently wipe or rinse the inside of the mouth with water.

**Symptoms.**

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

**Notes to physician.**

Treat symptomatically.

### 5. Fire-fighting Measures

**Extinguishing media.**

**Suitable extinguishing media.**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

**Extinguishing media which shall not be used for safety reasons.**

High volume water jet.

**Special hazards arising from the substance or mixture.**

Hazardous decomposition products formed under fire conditions.

**Advice for firefighters.**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures.

#### **Personal precautions.**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

#### **Advice for emergency responders.**

Use personal protection recommended in Section 8.

### Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

### Methods and materials for containment and cleaning up.

#### **Methods for Containment.**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Use personal protective equipment.

#### **Methods for cleaning up.**

Use personal protective equipment as required.

### Reference to other sections.

See section 8 for more information.

## 7. Handling and Storage

### Conditions for safe storage, including any incompatibilities.

#### **Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

#### **Hygiene measures.**

See section 7 for more information.

#### **Storage Conditions.**

Keep containers tightly closed in a cool, well-ventilated place. Store in original container.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Oxalic acid	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	N.E.
Phosphoric acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	N.E.
2-(2-BUTOXYETHOXY)ETHANOL	10 ppm	N.E.	N.E.	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

#### **Engineering Measures.**

Ensure adequate ventilation, especially in confined areas. Showers, eyewash stations, and ventilation systems.

#### **Personal protective equipment.**

##### **Eye/Face Protection.**

Safety glasses with side-shields.

##### **Skin and body protection.**

Wear impervious rubber clothing if needed to prevent contact with liquid material. Wear suitable protective clothing.

##### **Respiratory protection.**

In case of insufficient ventilation wear suitable respiratory equipment.

## 9. Physical and chemical properties.

**Information on basic physical and chemical properties.**

Physical state	Liquid
Appearance	Opaque
Color	Off-white
Odor	Sassafras
Odor Threshold	No Information
pH	0.8 - 1.5
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	>94 (>201.20)
Boiling point/boiling range., °C (°F)	100 - 297 (212 - 566.6)
Evaporation rate	No Information
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm <sup>3</sup> )	1.060
Water solubility.	Soluble
Partition coefficient.	No Information
Autoignition temperature., °C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

**Other information.**

Volatile organic compounds (VOC) content.	0%
Density, lb/gal	No Information

**10. Stability and Reactivity****Reactivity.**

Stable under normal conditions.

**Chemical stability.**

Stable under recommended storage conditions.

**Possibility of hazardous reactions.**

None known based on information supplied.

**Conditions to Avoid.**

Direct sources of heat.

**Incompatible Materials.**

Aldehydes. Ketones. Sodium hypochlorite. Acids. Alcohols. Oxidizing agents.

**Hazardous Decomposition Products.**

None known.

## 11. Toxicological Information

### Information on toxicological effects.

Acute toxicity.

#### Product Information

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	3,923.9 mg/kg
ATEmix (dermal)	29,286.2 mg/kg
ATEmix (inhalation - vapor)	564.10 mg/l

#### Component Information.

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
144-62-7	Oxalic acid	375 mg/kg Rat	20000 mg/kg Rat	N.I.
7664-38-2	Phosphoric acid	1530 mg/kg Rat	2740 mg/kg Rabbit	N.I.
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	5660 mg/kg Rat	2700 mg/kg Rabbit	N.I.
506-89-8	urea hydrochloride	1100 mg/kg	>2000 mg/kg	11 mg/l (Vapor)

N.I. = No Information

### Skin corrosion/irritation.

No Information

### Eye damage/irritation.

No Information

### Respiratory or skin sensitization.

No Information

### Ingestion.

No Information

### Germ cell mutagenicity.

No Information

### Carcinogenicity.

No Information

### Reproductive toxicity.

No Information

### Specific target organ systemic toxicity (single exposure).

No Information

### Specific target organ systemic toxicity (repeated exposure).

No Information

### Aspiration hazard.

No Information

### Primary Route(s) of Entry

No Information

## 12. Ecological Information

### Toxicity.

5.59% of the mixture consists of ingredient(s) of unknown aquatic toxicity

### Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Oxalic acid 144-62-7	-	-	EC50 48 h Daphnia magna 125 - 150 mg/L
2-(2-BUTOXYETHOXY) ETHANOL 112-34-5	EC50 96 h Desmodemus subspicatus >100 mg/L	LC50 96 h Lepomis macrochirus 1300 mg/L	EC50 48 h Daphnia magna >100 mg/L

### Persistence and degradability.

No data are available on the product itself.

**Bioaccumulative potential.**

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>log POW</u>
144-62-7	Oxalic acid	-1.7
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	1

**Mobility in soil.**

No information

**Other adverse effects.**

No information

**13. Disposal Considerations****Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. Transport Information****DOT**

**Shipping Name:** Corrosive liquids, n.o.s, (Oxalic acid)  
**Hazard Class:** 8  
**UN/NA Number:** 1760  
**Packing Group:** III  
**Additional Information:** Limited Quantity in containers less than a gallon

**IMDG**

**Proper Shipping Name:** Corrosive liquids, n.o.s, (Oxalic acid)  
**Hazard Class:** 8  
**UN Number:** 1760  
**Packing Group:** III  
**Additional Information:** Limited Quantity in containers less than a gallon

**IATA**

Air transport is not recommended.

**15. Regulatory Information****International Inventories:**

TSCA -  
 DSL -  
 DSL/NDSL -  
 EINECS/ELINCS -  
 ENCS -  
 IECSC -  
 KECI -  
 PICCS -  
 AICS -  
 NZIoC -  
 TCSI -

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(b) Inventory.
<b>DSL</b>	Canadian Domestic Substances List.
<b>DSL/NDL</b>	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing Commercial Substances/ European List of notified Chemical Substances
<b>ENCS</b>	Japan Existing and New Chemical Substances.
<b>IECSC</b>	China Inventory of Existing Chemical Substances.
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances.
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances.
<b>AICS</b>	Australian Inventory of Chemical Substances.
<b>NZIoC</b>	New Zealand Inventory of Chemicals.
<b>TCSI</b>	Taiwan Chemical Substance Inventory

**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**WHMIS Class** E

**16. Other Information**

**Revision Date:** 6/24/2022 **Supersedes Date:** New SDS  
**Reason for revision:** Periodic review and update  
**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	3	<b>Flammability:</b>	1	<b>Physical Hazard:</b>	0	<b>Personal Protection:</b>	B
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**NFPA Ratings:**

<b>Health:</b>	3	<b>Flammability:</b>	1	<b>Instability:</b>	0	<b>Physical &amp; Chemical:</b>	-
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.