



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name: RUST AND STAIN CLEANER (OXALIC ACID)**

Company: Recochem Inc. ABN: 69 010 485 999  
Address : 1809 Lytton Road, Lytton, Queensland 4178  
Phone: (07) 3308 5200 Fax: (07) 3308 5201  
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: Oxalic acid  
Manufacturer's Product Code: OXA  
Recommended Use: Cleaning/bleaching of timber and timer stains, rust stain remover

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## SECTION 2 HAZARDS IDENTIFICATION

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**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA  
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

**Symbol:** Xn - Harmful  
**Risk Phrases:** R21/22 - Harmful in contact with skin and if swallowed  
**Safety Phrases:** S2 - Keep out of the reach of children  
S24/25 - Avoid contact with skin and eyes

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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### Hazardous Ingredients

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Oxalic acid	144-62-7	100

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## SECTION 4 FIRST AID MEASURES

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### FIRST AID TREATMENT

**Swallowed:** If swallowed, do NOT induce vomiting. Rinse mouth with water; give plenty of water to drink. Seek immediate medical attention.

**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical attention.

**Skin:** If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If any irritation persists, seek medical attention.

**Inhaled:** Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to Doctor:** Treat symptomatically.

**Additional Information:** None available.

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## SECTION 5 FIRE FIGHTING MEASURES

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**Suitable Extinguishing Media:** Use dry chemical, carbon dioxide, water spray or foam.

**Hazards from combustion products:** May produce irritating, poisonous and/or corrosive gases, carbon monoxide, carbon dioxide and formic acid.

**Precautions for Fire Fighters and Special Protective Equipment:** Wear self contained breathing apparatus and full protective clothing.

**Product: RUST AND STAIN CLEANER (OXALIC ACID)**

**Additional Information:** Combustible solid.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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Observe all local and national regulations.

**Spills and Disposal, Methods and Materials for Containment and Clean Up Procedures:** Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable. Labelled container and hold for safe disposal. Use full protective clothing, eliminate all sources of ignition. Avoid generating dust. Do not allow product to reach drains sewers or waterways. Dispose of in accordance with regional regulations.

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## SECTION 7 HANDLING AND STORAGE

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**Precautions for Safe Handling and Storage:** Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Exposure Standards:** Oxalic acid TWA (8hr) 1mg/m<sup>3</sup>, STEL; 2 mg/m<sup>3</sup>

**Biological Limit Values:** No biological limit allocated.

**Personal Protective Equipment:**

**Respiratory Protection:** Wear appropriate respirator when ventilation is inadequate.

**Hand Protection:** Use solvent resistant gloves (nitrile, PVC or neoprene).

**Eye Protection:** Wear safety goggles.

**Protective Clothing:** No special protection is ordinarily required beyond standard issue work clothes.

**Engineering Controls:** Avoid generating and inhaling dust. A system of local and/or general exhaust is recommended to keep exposure as low as possible.

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## SECTION 9 IDENTIFICATION

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### PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance	White crystalline solid
pH:	1.3 (0.1 m aqueous solution)
Vapour Pressure (mmHg @ 20°C):	Not available
Vapour Density (air = 1)	Not available
Boiling Point (°C):	149 - 160
Freezing/Melting Point (°C):	101
Solubility in Water	102 g/l
Specific Gravity (g/ml @ 15°C):	1.65
Flashpoint (°C):	Not Applicable
Flammability Limits (%):	Not Applicable
Auto Ignition Temperature (°C):	Not Available
Percent Volatiles	0

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## SECTION 10 STABILITY AND REACTIVITY

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**Chemical Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** Avoid excessive heat, generating dust, direct sunlight, moisture, static discharges and high temperatures.

**Incompatible Materials:** Incompatible with oxidizing agents, acids, bases, alkalis, iron, iron compounds, silver, ammonia and salts of oxyhalogenic acids.

**Hazardous Decomposition Products:** May evolve oxides of carbon and formic acid.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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### HEALTH EFFECTS

**Toxicity Data:** Oral LD50 male rat: 475mg/kg, Oral LD50 female rat: 375 mg/kg, Skin LD50 rabbit: 2000mg/kg.

**Swallowed:** Harmful if swallowed. Swallowing may cause severe burns of mouth, throat and stomach. Symptoms may include vomiting abdominal pain, collapse and possible convulsions.

**Eye:** Severe eye irritant. Contamination of eyes can result in permanent injury.

**Product: RUST AND STAIN CLEANER (OXALIC ACID)**

**Skin:** Harmful in contact with skin. Contact with skin may cause irritation and prolonged contact may cause corrosive injury.

**Inhaled:** Irritation of mucous membranes, coughing and dyspnoea.

**Chronic:** No data.

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity:** Not available.

**Mobility:** Miscible with water.

**Persistence/degradability:** Biodegradable.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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**Disposal Methods:** Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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UN Number:	N/A	Proper Shipping Name:	N/A
Class:	N/A	Subsidiary Risk:	N/A
Packing Group:	N/A	Hazchem Code:	N/A
Special Precautions for User:			

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**SECTION 15 REGULATORY INFORMATION**

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Poisons Schedule : 6

AICS : Components Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : N/A

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**SECTION 16 OTHER INFORMATION**

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Further Information may be obtained by contacting Recochem on (07) 3308 5200

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The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

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