

Date of Issue: 2 December 2016



Rust Remover

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	Rust Remover
Code	C14836, 40150
Product Use	Acid for removing rust stains
Company Name	Dominant (Australia) Pty Ltd
Address	12 Coglin Street, Brompton SA 5007, Australia
Telephone	1300 789 852 or +61 (8) 8245 6900
Facsimile	+ 61 (8) 8340 1626
Emergency Phone	13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification	Eye Damage 1 Acute Toxicity (Oral) – Category 4 Acute Toxicity (Dermal) - Category 4
Signal Word	DANGER
Hazard Statements	Causes serious eye damage Harmful if swallowed. Harmful in contact with skin.
Precautionary Statements	Keep out of reach of children. Wash contacted areas thoroughly after handling Do not eat drink or smoke when using this product Wear protective gloves/ protective clothing/ eye protection/face protection. IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. 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. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTRE or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. Dispose of contents/container in accordance with state regulations
Pictograms	



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Product Name: Rust Remover**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	Name	CAS	Proportion
	Oxalic acid, Dihydrate	6153-56-6	100%

4. FIRST AID MEASURES

Ingestion	If swallowed do NOT induce vomiting. Immediately rinse mouth with water. Seek urgent medical attention.
Eye	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.
Skin	Carefully and gently brush the contaminated body surfaces in order to remove all traces of product for at least 15 minutes. Wash affected area immediately with plenty of soap and water. Remove contaminated clothing. Call a POISON CENTER or doctor/physician if you feel unwell.
Inhaled	Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
First Aid Facilities	An eye wash and general washing facility should be available to the work area.
Advice to Doctor	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 13 11 26; New Zealand 0800 764 766)

5. FIRE FIGHTING MEASURES

Extinguishing Media	In case of fire, use water spray, powder, foam, or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazards from Combustion	Product is a non-flammable solid. In case of fire, toxic fumes of carbon monoxide and carbon dioxide may be formed.
Precautions for Fire Fighters	Wear chemical splash suit and SCBA. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Hazchem	None assigned for product.

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Product Name: Rust Remover**6. ACCIDENTAL RELEASE MEASURES**

Emergency Procedures	Keep unauthorized people away. Ensure adequate ventilation. Keep dust levels to a minimum. Keep unprotected persons away. Avoid contact with skin, eyes, and clothing - wear suitable protective equipment (see section 8). Avoid inhalation of dust - ensure that sufficient ventilation or suitable respiratory protective equipment is used.
Clean Up	Contain the spillage. Collect up dry and deposit in waste containers for later disposal according to regulations. Wipe off with water. Avoid uncontrolled spills to watercourses and drains. Any large spillage into watercourses must be alerted to the Environment Agency or other regulatory body.

7. HANDLING AND STORAGE

Handling	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product. Keep dust levels to a minimum.
Storage	The substance should be stored under dry conditions. Keep containers tightly closed at room temperature. Keep separated from strong bases, oxidizing materials, food and feed. Store in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	None listed for product. However exposure standards for dust not otherwise specified is 10mg/m ³
Engineering Controls	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Local or general exhaust may be required to maintain exposure as low as possible. Avoid generating and breathing in dusts.
Personal Protective Equipment	Wear gloves (nitrile, PVC, rubber) and goggles. Protective clothing to prevent penetration of dusts and respirator (P2 particulate filter) if dust exposure is anticipated. Do not wear contact lenses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, uncoloured crystals or white powder
Solubility in Water	Soluble, up to 108 g/L at 25°C.
pH	~0.7 (50 g/L)
Flash Point	Not applicable
Melting Point	Not available
Boiling Point	Not available
Specific Gravity	0.813

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Product Name: Rust Remover**10. STABILITY AND REACTIVITY**

Stability	Stable product under normal conditions of use, storage and temperature. On contact with hot surfaces or flames this substance decomposes forming formic acid and carbon monoxide. The solution in water is a medium strong acid.
Hazardous Polymerisation	Reacts violently with strong oxidants causing fire and explosion hazard. Reacts with some silver compounds to form explosive silver oxalate. Attacks some forms of plastic.
Conditions to Avoid	Minimise exposure to air and moisture to avoid degradation.
Incompatible Materials	Alkaline solutions, ammonia, halogenates, oxidising agents, metals, water, heat. Hazardous decomposition products may include carbon monoxide, carbon dioxide, and formic acid.

11. TOXICOLOGICAL INFORMATION

Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and bleeding. Can cause chemical burns to the mouth, oesophagus and gastrointestinal tract. Toxic substance, may be harmful if swallowed.
Eye	Corrosive to eyes. Will cause severe irritation and chemical burns. Contamination of eyes can result in permanent injury or blindness if not treated promptly and thoroughly.
Skin	Harmful in contact with skin. Oxalic acid is not irritating to skin.
Inhalation	Dusts / mists cause severe irritation to the mucous membranes and upper respiratory tract.
Chronic Effects	No information available
Toxicological Data	For Oxalic acid, Oral LD50 : 375 mg/kg (rat) skn-rbt 500 mg/24H MLD eye-rbt 100 mg/4S rns : SEV (Reference: Dangerous Properties of Industrial Materials 7th Edition)

12. ECOLOGICAL INFORMATION

Ecotoxicity	Acute/Prolonged toxicity to fish: LC50 (96hr) for freshwater fish: 160 mg/L Acute/Prolonged toxicity to aquatic invertebrates: EC50 (48hr) for freshwater invertebrates: 162.2 mg/L (OECD 202, Daphnia) Acute/Prolonged toxicity to aquatic plants: Toxicity threshold (8 days) for freshwater algae: 80.0 mg/L Oxalic acid has a low logKow and is readily biodegradable. Do NOT let product reach waterways, drains and sewers.
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Product Name: Rust Remover**13. DISPOSAL CONSIDERATIONS**

General Information	Refer to Waste Management Authority. Dispose of container and unused contents through licensed waste contractor. Assure conformity with all applicable regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Special precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice. Must not be disposed of together with household garbage. Do NOT allow product to reach sewage system. The used packing is only meant for packing this product. After usage, empty the packing completely.

14. TRANSPORT INFORMATION

UN No.	None assigned
Proper Shipping Name	OXALIC ACID DIHYDRATE
Hazchem Code	None assigned
Class	None assigned
Packing Group	None assigned

15. REGULATORY INFORMATION

Classification	Poisons Schedule: Schedule 6 according to the Poisons Standard March 2016
Approvals	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

16. OTHER INFORMATION

Contact Point	Dominant Australia. Phone 08 8245 6900 24 hour medical emergency 13 11 26
Date of preparation	2 nd December 2016