

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Power Wheel Cleaner
Recommended Use: Acidic cleaner for brake dust removal on wheels.
24 Hour Emergency: Poisons Information Centre 131 126

2. HAZARDS IDENTIFICATION

This material is Hazardous according to criteria of NOHSC; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN Number: 1760
DG Class: 8
Packaging Group: II
Hazchem Code: 2X

Risk Phrases: **R21/22** – Harmful in contact with skin, and if swallowed

Safety Phrases: **S2** Keep out of the reach of children
S23 Do not breathe gas/fumes/vapour/spray
S24/25 Avoid contact with skin and eyes.

Poisons Schedule: S6.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components/CAS Number	Proportion	Risk Phrases
Oxalic Acid / 114-62-7	10-30%	
Ethoxylated alcohol surfactant / 9002-92-0	0-10%	
Ethanolamine / 141-43-5	0-10%	
Water/7732-18-5	Balance	

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4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766)

- Inhalation:** If fumes or combustion products are inhaled, remove from contaminated area. Avoid becoming a victim. Employ artificial respiration if indicated.
- Skin Contact:** Wash affected parts continuously with copious amounts of running water for at least one minute. If irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.
- Eye Contact:** Immediately irrigate continuously by holding the eyes open and washing with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by lifting the upper and lower lids. Irrigate for at least 15 minutes. Seek medical advice.
- Ingestion:** Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical attention.
- Medical attention
And special
Treatment:** Consult Poisons Information Centre.

5. FIRE FIGHTING MEASURES

- Hazards from combustion
Products:** Non-combustible. Not considered to be a significant fire risk. Acids may react with metals to produce hydrogen, a highly flammable and explosive gas. Heating may cause expansion or decomposition leading to violent rupture of containers. Decomposes on heating and may produce toxic fumes of carbon monoxide and carbon dioxide.
- Precautions for fire fighters and
Special protective equipment:** Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
- Hazchem Code:** 2X

6. ACCIDENTAL RELEASE MEASURES

- Emergency procedures:** If contamination of sewers or waterways has occurred advise local emergency services.
- Methods and materials for** Clear area of all personnel. Alert Fire Brigade and tell them location and

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Containment and clean up: nature of hazard. Control personal contact by using protective equipment as required. Prevent spillage from entering drains and waterways. Collect recoverable product into labeled containers for recycling. Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal. Wash area and prevent run off into drains or waterways.

7. HANDLING AND STORAGE

Conditions for safe storage: Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations.

Proper Shipping Name: CORROSIVE LIQUID, N.O.S - OXALIC ACID
EPG Number: 8A1
TERG Number: 37
Packaging Method: 5.9.8

Precautions for safe handling: No special handling procedures required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

N Av

PERSONAL PROTECTION

EYE

- Safety glasses with side shields.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

HANDS/FEET

Wear chemical protective gloves, eg. PVC.

OTHER

- Overalls.
- Barrier cream.
- Eyewash unit.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult your Occupational Health and Safety Advisor.

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ENGINEERING CONTROLS

N Av.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Light Blue
Odour:	N App
Solubility:	Mixes with water
Specific Gravity:	1.193
Relative Vapour Density (air=1):	N Av
Vapour Pressure (20°C):	18 mm Hg
Flash Point (°C):	N App
Flammability Limits (%):	N App
Autoignition Temperature (°C):	N Av
% Volatile by Weight:	N Av
Solubility in water (g/L):	N Av
Melting Point/Range (°C):	0 approx
Boiling Point/Range (°C):	100 approx
Decomposition Point (°C):	N Av
pH:	As received 1.9 - 1% soln - 2.5pH
Viscosity:	N Av
Evaporation Rate:	N Av

10. STABILITY AND REACTIVITY

Chemical Stability:	N Av
Conditions to avoid:	Avoid contact with foodstuffs.
Incompatible materials:	N Av
Hazardous decomposition Products:	N Av
Hazardous reactions:	This substance is a strong acid, it reacts violently with bases and is corrosive to many metals, in particular zinc and magnesium.

11. TOXICOLOGICAL INFORMATION

Ingestion:	May cause irritation to mouth, throat and stomach. Will cause damage to the mucous membranes. May cause perforation of the gastro intestinal tract.
Eye contact:	Highly corrosive. Permanent eye damage may occur.
Skin contact:	Repeated or prolonged skin contact may lead to irritation. Corrosive to skin, may cause skin burns.
Inhalation:	May cause pulmonary oedema, pneumonitis and emphysema. May cause nausea, vomiting and dizziness.

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Long Term Effects: Chronic exposure to mist or dust has been reported to cause chronic inflammation of the upper respiratory tract. Ingestion is of lesser importance occupationally. Symptoms appear rapidly and include shock, collapse and convulsive seizures. Such cases may also have marked kidney damage with deposition of calcium oxalate in the lumen of the renal tubules.

Toxicological Data: N Av

12. ECOLOGICAL INFORMATION

Ecotoxicity: N Av

13. DISPOSAL CONSIDERATIONS

Minor spills: Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labeled container for waste disposal.

Disposal: Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Authority for disposal. Treat and neutralise at an effluent treatment plant. Use soda ash or slaked lime to neutralise. Recycle containers wherever possible, otherwise dispose of in an authorised landfill.

14. TRANSPORT INFORMATION

Proper Shipping Name: Corrosive Liquid, N.O.S – OXALIC ACID

Hazchem Code: 2X.

15. REGULATORY INFORMATION

Classification: This material is Hazardous according to criteria of NOHSC; HAZARDOUS SUBSTANCE.

Poisons Schedule: S6.

16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since SPQR Australia cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.