SAFETY DATA SHEET

OXALIC ACID

Infosafe No.: 7EFND
ISSUED Date : 26/10/2018
ISSUED by: JASOL NEW ZEALAND

CLASSIFIED AS HAZARDOUS

1. IDENTIFICATION

GHS Product Identifier
OXALIC ACID

Product Code
2062240

Company Name
JASOL NEW ZEALAND

Address
81 Leonard Road
Mt. Wellington Auckland
1060 New Zealand

Telephone/Fax Number
Tel: +64 9 580 2105
Fax: +64 9 571 4388

Emergency phone number
0800 243 622

Emergency Contact Address
North Island:
81 Leonard Road, Mt. Wellington, Auckland 1060
Phone: +64 9 5802105
Fax: +64 9 5714388

South Island:
105 Rutherford Street, Christchurch 8023
Phone: +64 3 3844433
Fax: +64 3 3844431

(24 hour a day available)
0800 243622

E-mail Address
jasolnzorders@gwf.com.au

Recommended use of the chemical and restrictions on use
Reducing Souring Agent for General Laundry Work. Add At a Rate of 5-10 Gram per kg Dry Weight Linen.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.
6.1D (Oral) - Substance that is acutely toxic

6.1D (Dermal) - Substance that is acutely toxic
6.1D (Inhalation – vapours, dusts or mists) - Substance that is acutely toxic
6.8C Substance that produces toxic human reproductive or developmental effects on or via lactation
6.9B (Single exposure) - Substance that is harmful to human target organs or systems
8.1A Substance that is corrosive to metals
8.2C Substance that is corrosive to dermal tissue
8.3A Substance that is corrosive to ocular tissue
9.3B Substance that is ecotoxic to terrestrial vertebrates

Signal Word (s)
DANGER

Hazard Statement (s)
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H362 May cause harm to breast-fed children.
H371 May cause damage to organs.
H373 May cause damage to organs through prolonged or repeated exposure.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H422 Toxic to the soil environment.

Pictogram (s)
Corrosion,Exclamation mark,Health hazard,Environment

Precautionary statement – Prevention
P201 Obtain special instructions before use.
P234 Keep only in original container.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P263 Avoid contact during pregnancy/while nursing.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P310 Immediately call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P391 Collect spillage.

Precautionary statement – Storage

P405 Store locked up.
P406 Store in corrosive resistant/ container with a resistant inner liner.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Oxalic acid	144-62-7	100%

4. FIRST-AID MEASURES

First Aid Measures
24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)
New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)
New Zealand Emergency Services: 111

Inhalation
Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

Ingestion
Contact a doctor or the Poisons Information Centre immediately. Give patient 1-3 cups of milk or water to drink. Do NOT induce vomiting. Transport to a hospital or doctor immediately.

Skin
If skin contact occurs, remove contaminated clothing and wash skin thoroughly with running water and a mild soap. If swelling, redness, blistering or irritation occurs seek medical advice.

Eye contact
If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

First Aid Facilities
Eye wash station and normal washroom facilities.

Advice to Doctor
The systemic effects are attributed to the removal by the oxalic acid of the calcium in the blood. The renal tubules obstructed by calcium oxalate. If ingestion has occureed, administer a dilute solution of calcium/magnesium compound,eg. milk of magnesia, calcium lactate, calcium gluconate.

Most important symptoms/effects, acute and delayed
No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use water fog or fine water spray type extinguishers.

Specific Methods
Fire-fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.

Specific Hazards Arising From The Chemical
Combustible solid. Incompatible with alkalis, oxidising agents, calcium salts, silver, mercury and sodium chlorite. A violent reaction occurs with furfuryl alcohol. Decomposes on melting releasing oxides of carbon gases.

Hazchem Code
None allocated

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal
Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination. Sweep up, but avoid generating dust. Collect and seal in drums for disposal. Do NOT wash untreated material down the drain or sewer. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition.

7. HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities
Store in cool place in sealed plastic containers. Store in a well ventilated area. Store away from oxidising agents and foodstuffs. Store away from sources of heat. Keep containers closed when not in use. This material is a Schedule Poison (S6) and must be used, stored and maintained in accordance with the relevant regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
Oxalic Acid
STEL (mg/m3): 2
STEL (ppm): -
TWA (mg/m3: 1
TWA (ppm):-

Appropriate Engineering Controls
In very confined spaces have sufficient ventilation or local exhaust. Keep containers closed when not in use.

Personal Protective Equipment
Avoid contact with the skin and eyes. Avoid breathing dust. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Dust mask Safety glasses Gloves, rubber or plastic Plastic apron, sleeves and boots Overalls or dust coat. Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Solid

Appearance
White Powder

Colour
White

Odour
No Odour

Melting Point
101°C

Boiling Point
150°C

Solubility in Water
102 g/L (25°C)

Specific Gravity
1.65

pH
1.3 (1% solution)

Vapour Pressure
N/A

Flash Point
None

Flammability
Combustible solid

10. STABILITY AND REACTIVITY

Hazardous Decomposition Products
Water vapour, carbon dioxide.

Possibility of hazardous reactions
Contact with metals may produce hydrogen gas which is flammable. Do not mix with bleaches, or other cleaning solutions.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
No toxicity information is available for this product.

Ingestion
Corrosive. Toxic. May cause burns of the mouth and oesphagus, nausea, gastroenteritis and shock. Absorption can occur causing systematic poisoning. Symptoms may include headache, weak pulse and muscle cramps, May cause kidney damage.

Inhalation
Moderately corrosive - may cause burns and desquamation to respiratory tract.

Skin
An irritant to the skin. May cause redness, pain and burn to the skin. May be absorbed through the skin.

Eye
Exposure to dust is moderately corrosive and/or irritative.

Chronic Effects
Prolonged ingalation of mist may cause inflammation of the upper respiratory tract. Skin contact may cause dermatitis. May cause kidney damage, cyanosis of the fingers and possible ulcerations.

12. ECOLOGICAL INFORMATION

Ecological information
No data

13. DISPOSAL CONSIDERATIONS

Waste Disposal
Refer to Land Waste Management Authority in your State.

14. TRANSPORT INFORMATION

Transport Information
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

U.N. Number
None Allocated

UN proper shipping name
None Allocated

Transport hazard class(es)
None allocated

Sub.Risk
None allocated

Hazchem Code
None allocated

Packaging Method
None allocated

UN Number (Sea Transport)
None allocated

UN Number (Road Transport)
None allocated

UN Number (Air Transport, ICAO)
None allocated

IATA/ICAO Hazard Class
None allocated

IATA/ICAO Packing Group
None allocated

IATA/ICAO Sub Risk
None allocated

IMDG UN No
None allocated

IMDG Hazard Class
None allocated

IMDG Pack. Group
None allocated

IMDG Subsidiary Risk
None allocated

15. REGULATORY INFORMATION

Regulatory information
Oxalic acid (CAS: 144-62-7) is found on the following regulatory lists
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals","New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data"

HSNO Approval Number
HSR002710

Other Information
Specific advice on controls required for materials used in New Zealand can be found at http://www.epa.govt.nz/hazardous-substances/approvals/Pages/default.aspx.

16. OTHER INFORMATION

Date of preparation or last revision of SDS
26/10/2018

Technical Contact Numbers
24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)
New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)
New Zealand Emergency Services: 111

Other Information
The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the

reported Hazards are Risks in the workplace or other settings.
This SDS 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 Jasol NZ 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.
If clarification or further information is needed, the user should contact their Jasol NZ representative or Jasol NZ at the contact details on page 1.
Jasol NZ's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

END OF SDS