

## Section 1: Identification of the Substance/Mixture and of the Supplier

<b>Product Name:</b>	Oxalic Acid Dihydrate
<b>Proper Shipping Name</b>	Corrosive Solid, Acidic, Organic, n.o.s. (Oxalic Acid, Dihydrate)
<b>Recommended use:</b>	
<b>Company Details</b>	Marketing Chemicals Ltd
<b>Address:</b>	2 Rymer Place Mangere Bridge, Auckland. New Zealand
<b>Telephone:</b>	+64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
<b>Fax:</b>	+64 9 634 3864
<b>Emergency Telephone:</b>	+64 274 736008(24 hours) National Poison Centre(24 hours): 0800 POISON [ 764 766]
<b>Date of preparation</b>	6 November 2014

## Section 2: Hazard Identification



### DANGER:

- Harmful if swallowed.
- Harmful in contact with skin.
- May be harmful if inhaled.
- Causes severe skin burns and eye damage.
- Harmful to terrestrial invertebrates.
- Toxic to terrestrial vertebrates.

**HSNO Classes:** 6.1D(Oral), 6.1D(Dermal), 6.1E(Inhalation), 8.2C,8.3A, 9.3B

**HSNO Approval Number:** Group Standard HSR003571

**Group Standard:** Oxalic Acid

### Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves and eye/face protection.
- Keep only in original container.
- Do not breathe fume/gas/mist/vapours/spray.
- Avoid release to the environment.

### Response Statements

- If medical advice is needed, have product container or label at hand.

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth. Do not induce vomiting.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Immediately call a POISON CENTER or doctor/physician.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Collect spillage.

#### **Storage Statements**

- Store in corrosive resistant container with a resistant inner liner.
- Store locked up.

### **Section 3: Composition/Information on Ingredients**

<b>Name</b>	<b>% by Wt.</b>	<b>CAS Number</b>
Oxalic Acid Dihydrate	100	6153-56-6

### **Section 4: First Aid Measures**

<b>Eyes:</b>	Rinse eyes immediately with plenty of water for at least 15 minutes and seek medical advice.
<b>Skin:</b>	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 water. Remove contaminated clothing. If necessary, seek medical advice.
<b>Ingestion:</b>	Rinse mouth with water. Give plenty of water to drink provided victim is conscious. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention.
<b>Inhalation:</b>	Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
<b>General Measures</b>	Avoid open flame. Avoid contact with oxidising materials. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

**For Further Information Telephone (24 Hours) The National Poison Centre: 0800 Poison [764 766]**

### **Section 5: Fire Fighting Measures**

<b>Flash Point:</b>	Non flammable
<b>Auto ignition Temperature:</b>	Not available
<b>Flammable Limits in Air % by Volume:</b>	Not available
<b>Extinguishing Media:</b>	Water spray or fog, Dry Chemical Powder, Foam or Carbon Dioxide

<b>Fire Fighting Instructions:</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
<b>Unusual Fire and Explosion Hazards:</b>	In case of fire, toxic fumes of carbon monoxide and carbon dioxide may be formed.
<b>General Measures</b>	Avoid open flame. Avoid contact with oxidising materials. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

## Section 6: Accidental Release Measures

<b>General Response Procedure</b>	Avoid accidents, clean up immediately. Slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment. Keep the material dry if possible.
<b>Clean Up Procedures</b>	Contain and neutralise with soda ash, then sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled chemical waste container and dispose of promptly as hazardous waste.
<b>Environmental Precautionary Measures</b>	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.

## Section 7: Handling And Storage

<b><u>Handling</u></b>	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes. Wear protective equipment (refer to section 8). Do NOT wear contact lenses when handling this product. Keep dust levels to a minimum. Enclose dust sources, use exhaust ventilation.
<b><u>Storage:</u></b>	Store locked up. Store in original container. Protect from physical damage. Clean up all spills immediately to prevent secondary accidents.

## Section 8: Exposure Controls/Personal Protection

<b>Engineering Controls:</b>	Normal ventilation
<b>Eye / Face Protection:</b>	Safety Glasses/Full face masks
<b>Body Protection:</b>	Long-sleeved standard work clothing, long pants, and safety footwear (resistant to corrosive chemicals and which prevent penetration of dust) (AS3765/2210)
<b>Respiratory Protection:</b>	Wear a suitable particle filter mask (P2 filter respirator for harmful particles) (AS1715/1716).
<b>Exposure Limits:</b>	Not available

## Section 9: Physical And Chemical Properties

<b>Appearance:</b>	Solid
<b>Odour:</b>	Odourless

<b>pH:(in aquaous solution)</b>	~0.7; 50g/l
<b>Solubility in water:</b>	108 g/L °C
<b>Vapour pressure:</b>	0.0312 Pa (@ 25 °C)
<b>Boiling Point:</b>	Not available
<b>Freezing Point:</b>	Not available
<b>Ignition Point:</b>	Not available
<b>Flash Point:</b>	Not available

## Section 10: Stability And Reactivity

<b>Stability of the Substance:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	Minimise exposure to air and moisture to avoid degradation.
<b>Materials to avoid:</b>	Alkaline solutions, ammonia, halogenates, oxidising agents, metals, water, heat.
<b>Hazardous Decomposition Products:</b>	Hazardous decomposition products may include carbon monoxide, carbon dioxide, and formic acid.
<b>Conditions Contributing to Hazardous Polymerization</b>	On contact with hot surfaces or flames, this substance decomposes forming formic acid and carbon monoxide. The solution in water is a medium to strong acid. 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

## Section 11: Toxicological Information

<b>Inhalation:</b>	SPECIES: RESULT: Cough. Headache. Shortness of breath. Sore throat.
<b>Ingestion:</b>	SPECIES: Rat;ENDPOINT: LD50 ;VALUE: 375 mg/kg
<b>Skin:</b>	SPECIES: RESULT: Corrosive. Redness. Pain. Blurred vision. Severe deep burns.
<b>Eye:</b>	SPECIES: RESULT: Corrosive. Redness. Pain

## Section 12: Ecological Information

<b>Environmental Precautions:</b>	
<b>Ecological Toxicity:</b>	SPECIES: Rat ENDPOINT: LD50 VALUE: 375 mg/kg

## Section 13: Disposal Considerations

Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

## Section 14: Transport Information



**UN No:** 3261  
**Proper Shipping Name:** Corrosive Solid, Acidic, Organic, n.o.s. (Oxalic Acid, Dihydrate)  
**Dangerous Goods Class:** 8  
**Packing Group:** III  
**Hazchem Code:**

### Section 15: Regulatory Information

**HSNO Approval No:** HSR003571  
**Group Standard:** Oxalic Acid  
**HSNO Classes:** 6.1D(Oral), 6.1D(Dermal), 6.1E(Inhalation), 8.2C,8.3A, 9.3B

### Section 16: Other Information

**New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]**  
**New Zealand Emergency Services: 111**

**For General Information:** John Crombie, Manager, Marketing Chemicals Ltd,  
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Fax : +64 (09) 634 3864

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End of Safety Data Sheet.