

SAFETY DATA SHEET

Oxalic Acid

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Issued: 14/11/2012
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: OXALIC ACID

Datasheet Number: S1192 1. 0. 1

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: Acute Tox. 4

Label elements:



Signal Word: Warning

Symbols: Xn

Hazard phrases: Harmful if swallowed.
Harmful in contact with skin.

Precautionary Phrases: Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Gently wash with plenty of soap and water.
Store in a dry place. Store in a closed container.
Dispose of contents/container to a registered waste disposal company. [P501]

Risk Phrases: Harmful in contact with skin and if swallowed (R21/22)

Safety Phrases: Keep out of reach of children (S2)
Avoid contact with skin and eyes (S24/25)
Wear suitable protective clothing and gloves (S36/37)

Other hazards:

[cont...]

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Oxalic acid	99.5 – 100%	144-62-7	205-634-3	H312, H302, R21/22	GHS07, Xn

*See Section 16

4. FIRST AID MEASURES (SYMPTOMS)

Description of first aid measures: Symptoms of poisoning from inhalation may not develop for several hours.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Get immediate medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.
Seek medical attention if irritation persists.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of immediate medical attention and special treatment needed: Treat symptomatically and supportively.

Antidote: Intravenous administration of calcium gluconate or calcium chloride may be required if hypocalcaemia or hypocalcaemia tetany occur.

5. FIRE-FIGHTING MEASURES

Extinguishing media: In case of fire, use carbon dioxide or dry agent (S43).
May be extinguished with water fog/spray.

Special hazards arising from the substance or mixture: In case of fire, toxic gases may be formed.

Advice for fire-fighters: Wear chemical protection suit and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation of the working area.
Wear suitable protective equipment.

[cont...]

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Environmental Precautions: Do not allow product to enter drains.
Prevent further spillage if safe.

Methods and material for containment and cleaning up:

Avoid raising dust.
Sweep up.
Transfer to suitable, labelled containers for disposal.
Clean spillage area thoroughly with plenty of water.

Reference to other sections:

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes and skin.
Ensure adequate ventilation of the working area.
Adopt best Manual Handling considerations when handling, carrying and dispensing.

Conditions for safe storage, including any incompatibilities:

Keep in a cool, dry, well-ventilated area.
Keep containers tightly closed.

Specific end use(s):

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: Oxalic acid - WEL 8-hr limit ppm: - - WEL 8-hr limit mg/m³: 1
Oxalic acid - WEL 15-min limit ppm: - - WEL 15-min limit mg/m³: 2

Exposure controls:

Engineering measures: Ensure adequate ventilation of the working area.
Respiratory protection: Self-contained breathing apparatus. Wear protective clothing.
Hand Protection: Chemical resistant gloves (PVC).
Eye Protection: Approved safety goggles.
Protective equipment: Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Description: Crystals.
Colour: White
Relative density: 1.650
Water solubility: 18 mg/100g water @ 20°C
Melting point: 100°C

Other information:

[cont...]

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10. STABILITY AND REACTIVITY

Reactivity: No information available

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: May decompose when heated forming toxic gases.

Conditions to avoid: Avoid contact with moisture.
Heat, sparks and open flames.

Incompatible materials: Strong oxidising agents
Strong bases.

Hazardous Decomposition Products: Decomposition products may include carbon oxides.
Formic acid.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

OXALIC ACID: Oral Rat LD50 = 375 mg/kg

Inhalation: May cause oedema.

Contact with skin: No irritating effect.
Repeated or prolonged contact with the skin may cause dermatitis.

Contact with eyes: No irritating effect

12. ECOLOGICAL INFORMATION

Toxicity: No information available

Persistence and degradability: Biodegradable

Bioaccumulation Potential: Not expected to bioaccumulate.

Mobility in soil: Soluble in water.

Results of PBT and vPvB assessment: Not a PBT according to REACH Annex XIII

Other Adverse Effects:

[cont...]

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13. DISPOSAL CONSIDERATIONS

Waste treatment methods: General information: Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

UN Number: 3261

UN Proper Shipping Name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Oxalic acid)

Transport hazard class(es):

Packing group: III

Environmental hazards:

Special precautions for user: Further information: This product is not classified as dangerous for carriage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Other information:

Emergency Action Code

Proper Shipping Name: **EAC:**

Sea (IMDG)

Proper Shipping Name: **IMDG UN No.:**

IMDG Hazard Class.: **IMDG Pack Group.:**

IMDG MFAG:

Air (ICAO/IATA)

Proper Shipping Name: **ICAO Un No.:**

ICAO Hazard Class.: **ICAO Packing Group.:**

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Chemical Safety Assessment.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Text of R and S phrase codes used in this safety data sheet:- H302: Harmful if swallowed.; H312: Harmful in contact with skin.; R21/22: Harmful in contact with skin and if swallowed.

[cont...]

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Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.