



SAFETY DATA SHEET

OXALIC ACID

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Revision No: 1

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

Product name: OXALIC ACID

CAS number: 144-62-7

EINECS number: 205-634-3

Index number: 607-006-00-8

Synonyms: DICARBOXYLIC ACID
ETHANEDIOIC ACID

Use / description of product: Harmful.

Company name: Lindchem Ltd
29 North River Road
Great Yarmouth
Norfolk
NR30 1SH
United Kingdom
Tel: +44 (0) 1493 332 286
Fax: +44 (0) 1493 330 909
Emergency tel: +44 (0) 1493 850 808

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: OXALIC ACID >90%

3. HAZARDS IDENTIFICATION

Main hazards: Harmful in contact with skin and if swallowed.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

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Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Do not create dust. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside do not approach from downwind.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Do not use steel containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Occupational exposure limits**

TWA (8 hr exposure limit): 1 mg/m³ (OES)

STEL (15 min exposure limit): 2 mg/m³ (OES)

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Crystals

Colour: Colourless

Odour: Odourless

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Also soluble in: Ethanol. Diethyl ether.

Boiling point/range°C: 149-160

Melting point/range°C: 101

Relative density: 1.65

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10. STABILITY AND REACTIVITY**Stability:** Stable under normal conditions.**Conditions to avoid:** Heat.**Materials to avoid:** Strong oxidising agents. Strong acids.**Haz. decomp. products:** In combustion emits toxic fumes.**11. TOXICOLOGICAL INFORMATION****Acute toxicity:** OXALIC ACID

ORL RAT LD50 1400 mg/kg

SCU FRG LDLO 757 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** No bioaccumulation potential.**Other adverse effects:** Negligible ecotoxicity.**13. DISPOSAL CONSIDERATIONS****NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** -**Shipping name:** "NOT SUBJECT TO ADR"**IMDG / IMO****UN no:** -**IATA / ICAO****UN no:** -**15. REGULATORY INFORMATION****Hazard symbols:** Harmful.**Risk phrases:** R21/22: Harmful in contact with skin and if swallowed.**Safety phrases:** S36/37: Wear suitable protective clothing and gloves.**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.

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16. OTHER INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.