



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : P 10229
Product Name : OXALIC ACID

Manufacturer/supplier identification
Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 6153-56-6 Ec-Index No. : 604-001-00-2
Molar Mass : 126.03 EC-No. : 205-634-3
Molecular Formula : $C_2H_2O_4 \cdot 2H_2O$

3. HAZARDS INDEX : Harmful in contact with skin and if swallowed.

4. FIRST AID MEASURES :
After inhalation : Fresh air.
After skin contact : Wash off with plenty of water.
Remove contaminated clothing.
After eye contact : Rinse out with plenty of water with the eyelid held wide open.
After swallowing : Make victim drink plenty of water, induce vomiting.
Summon doctor.

5. FIRE-FIGHTING MEASURES : Suitable extinguishing media: Powder, foam, water
Special risks : Combustible. Formation of hazardous combustion gases or vapours possible in event of fire. The following may develop in event of fire : Carbon monoxide, carbon dioxide.

Special protective equipment for fire fighting : Do not stay in dangerous zone without suitable chemical protection clothing & self-contained breathing apparatus.
Other information :
Prevent fire-fighting water from entering surface water or groundwater.

6. ACCIDENTAL RELEASE MEASURES : Person-related precautionary measures:
Avoid generation of dusts; do not inhale dusts.
Procedures for cleaning/absorption:
Take up dry. Forward for disposal. Clean up affected area.

7. HANDLING AND STORAGE : Handling - No further requirements.
Storage - Tightly closed. Dry. In a well-ventilated place.
Storage temperature : No restrictions.



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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.
Eye Protection : Required
Hand Protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration & quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

9. PHYSICAL & CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Odourless
pH value at 50 g/l H ₂ O (20° C)	:	~ 0.7
Melting temperature	:	101 ° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	Not available
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density (20° C)	:	1.65 g/cm ³
Bulk density	:	~ 900 Kg/m ³
Solubility in Water (20° C)	:	102 gm/lt.
Ethanol (20° C)	:	Soluble
Log P(oct)	:	~0.81 (anhydrous substance)

10. STABILITY & REACTIVITY : Conditions to be avoided : No information available
Substances to be avoided : Alkalis, ammonia, salts of oxyhalogenic acids, oxidizing agent, metals and water/heat.
Hazardous decomposition product: No information available

11. Toxicological Information: Acute toxicity : LD₅₀ (oral, rat) : 7500 mg/kg (anhydrous substance)
The literature data available to us do not conform with the labeling prescribed by the EC. The Ec has dossiers which have not been published

Further toxicological information : When dusts are generated :
After inhalation : Irritations of the mucous membranes, coughing, & dyspnoea.
After contact with substance : Eyes, skin mucous membranes : Irritant and caustic effects, tissue damage.



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After swallowing : Irritations of mucous membranes in the mouth, pharynx, oesophagus & gastrointestinal tract. Rapid absorption. (gastrointestinal tract, skin).

After absorption : Agitation, spasms nausea, vomiting, cardiovascular failure, collapse, disturbed electrolyte balance.

Secondary products cause : Damage of : kidneys.

Further data :

The product should be handled with the care usual when dealing with chemicals

12. ECOLOGICAL INFORMATION : Behavior in environmental compartments : Distribution :

log P(oct) : -0.81 (anhydrous substance)

Further ecologic data : Biological effects : High aquatic toxicity.

Toxic for aquatic organisms. Fish LC₅₀ : 325 mg/l (anhydrous substance).

(Further ecologic data : COD : 0.18 g/g (anhydrous substance)

ThOD : 0.18g/g (anhydrous substance) BOD₅ : 0.16g/g (anhydrous substance)

Do not allow to enter waters, waste water or soil!

13. DISPOSAL METHOD : Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION : No subject to transport regulations.

15. REGULATORY INFORMATION :

Labeling according to EC Directives

Symbol : Xn Harmful

R-phrases : 21/22 Harmful in contact with skin and if swallowed.

S-phrases : 24/25 Avoid contact with skin and eyes.

EC. No. : 205-634-3 EC label

Water pollution class : 1 (slightly polluting substance)



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16. OTHER INFORMATION :

Reason for alteration.

General update.

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.