

# Material Safety Data Sheet



**OXALIC ACID AR**  
(Ethanedioic acid)

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product Code : 24560

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## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

**Trade name :** OXALIC ACID AR

**Product code :** 24560

**Identification of the product :** OXALIC ACID AR

CAS No :6153-56-6

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use :** Industrial. For professional use only.

### **1.3. Details of the supplier of the safety data sheet**

**Company identification :** MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### **1.4. Emergency telephone number**

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm).

## **2. Hazards identification -DSD**

### **2.1. Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

**Classification :** Xn; R21/22

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

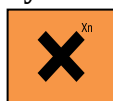
**Health hazards :** Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312

Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

### **2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

**Symbol(s) :** Xn : Harmful



**R Phrase(s) :** R21/22 : Harmful in contact with skin and if swallowed.

**S Phrase(s) :** S24/25 : Avoid contact with skin and eyes.

**Labelling Regulation EC 1272/2008 (CLP)**

**Hazard pictograms**



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**Signal words :** Warning

**Hazard statements :** H302 : Harmful if swallowed.

H312 : Harmful in contact with skin.

## **Precautionary statements**

• **Prevention :** P280: Wear protective gloves, protective clothing, eye protection, face protection.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

• **Response :** P302+P352: IF ON SKIN : Wash with plenty of soap and water.

P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.

P363: Wash contaminated clothing before reuse.

• **Disposal considerations :** P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## **2.3. Other hazards**

**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## **3. Composition/information on ingredients**

**Substance / Preparation :** OXALIC ACID AR

CAS No :6153-56-6

Substance.

Contains no other components or impurities which will influence the classification of the product.

## **4. First aid measures**

### **4.1. Description of first aid measures**

**Inhalation :** Assure fresh air breathing. Allow the victim to rest.

**Skin contact :** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse. Wash with plenty of soap and water.

**Eye contact :** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion :** Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

### **4.2. Most important symptoms and effects, both acute and delayed**

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**Symptoms relating to use :** Repeated exposure to this material can result in absorption through skin causing significant health hazard. Swallowing a small quantity of this material will result in serious health hazard.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**General information :** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### **5. Fire-fighting measures**

##### **5.1. Extinguishing media**

**Suitable extinguishing media :** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media :** Do not use a heavy water stream.

**Surrounding fires :** Use water spray or fog for cooling exposed containers.

##### **5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products :** Under fire conditions, hazardous fumes will be present.

##### **5.3. Advice for fire-fighters**

**Protection against fire :** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures :** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

#### **6. Accidental release measures**

##### **6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders :** Equip cleanup crew with proper protection.  
Ventilate area.

**For non-emergency personnel :** Evacuate unnecessary personnel.

##### **6.2. Environmental precautions**

**Environmental precautions :** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

##### **6.3. Methods and material for containment and cleaning up**

**Clean up methods :** On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

##### **6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

#### **7. Handling and storage**

##### **7.1. Precautions for safe handling**

**Handling :** Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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**Technical protective measures :** Provide good ventilation in process area to prevent formation of vapour.

## **7.2. Conditions for safe storage, including any incompatibilities**

**Storage :** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from :** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

## **7.3. Specific end use(s)**

**Specific end use(s) :** None.

## **8. Exposure controls/personal protection**

### **8.1. Exposure controls**

**Personal protection :** Avoid all unnecessary exposure.

- **Respiratory protection :** Wear approved mask.
- **Hand protection :** Wear protective gloves.
- **Eye protection :** Chemical goggles or safety glasses.
- **Others :** When using, do not eat, drink or smoke.

### **8.2. Control parameters**

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

**Physical state at 20 °C :** Solid.

**Odour threshold :** No data available.

**pH value :** Not applicable.

**Melting point [°C] :** 189.5 °C

**Decomposition point [°C] :** N/A

**Critical temperature [°C] :** N/A

**Auto-ignition temperature [°C] :** N/A

**Flammability (solid, gas) :** N/A

**Flash point [°C] :** N/A

**Boiling point [°C] :** 157 °C

**Initial boiling point [°C] :** N/A

**Final boiling point [°C] :** N/A

**Evaporation rate :** N/A

**Vapour pressure [20°C] :** < 0.01 hPa at 20 °C

**Vapour pressure mm/Hg :** N/A

**Vapour density :** 4,4

**Density [g/cm<sup>3</sup>] :** 1,9

**Relative density, gas (air=1) :** N/A

**Relative density, liquid (water=1) :** N/A

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**Solubility in water [% weight] :** 1g/7ml of water

**Solubility in water :** N/A

**Log Pow octanol / water at 20°C :** No data available.

**Solubility :** 1.3

**Viscosity at 40°C [mm<sup>2</sup>/s] :** N/A

## **9.2. Other information**

**Explosive properties :** N/A

**Explosion limits - upper [%] :** N/A

**Explosion limits - lower [%] :** N/A

**Oxidising properties :** No data available.

## **10. Stability and reactivity**

### **10.1. Reactivity**

**Reactivity :** Not established.

### **10.2. Chemical stability**

**Chemical stability :** Stable under recommended storage conditions.

### **10.3. Possibility of hazardous reactions**

**Hazardous reactions :** Not established.

### **10.4. Conditions to avoid**

**Conditions to avoid :** Direct sunlight. Extremely high or low temperatures.

### **10.5. Incompatible materials**

**Materials to avoid :** Strong acids. Strong bases.

### **10.6. Hazardous decomposition products**

**Hazardous decomposition products :** Fumes. Carbon monoxide. Carbon dioxide.

## **11. Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

• **Inhalation :** Based on available data, the classification criteria are not met.

• **Dermal :** Harmful in contact with skin.

• **Ingestion :** Harmful if swallowed.

**Corrosion :** Based on available data, the classification criteria are not met.

**Irritation :** Based on available data, the classification criteria are not met.

**Sensitization :** Based on available data, the classification criteria are not met.

**Mutagenicity :** Based on available data, the classification criteria are not met.

**Carcinogenicity :** Based on available data, the classification criteria are not met.

**Toxic for reproduction :** Based on available data, the classification criteria are not met.

**STOT-single exposure :** Based on available data, the classification criteria are not met.

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**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

## **12. Ecological information**

### **12.1. Toxicity**

**Toxicity information** : Not established.

### **12.2. Persistence - degradability**

**Persistence - degradability** : Biodegradable.

### **12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

### **12.4. Mobility in soil**

**Mobility in soil** : Not established.

### **12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

### **12.6. Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## **14. Transport information**

### **14.1. Land transport (ADR-RID)**

**Proper shipping name** : CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

**UN N°** : 3261

**H.I. nr** : 80

**ADR - Class** : 8

**Labelling - Transport** : 8 : Corrosive substance.

**ADR - Classification code** : C4

**ADR - Group** : III

**ADR - Packing instructions** : P002 R001 LP002

**ADR - Limited Quantity** : 5 KG

**ADR - Tunnel code** : E : Passage forbidden through tunnels of category E.

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## **14.2. Sea transport (IMDG) [English only]**

**Proper shipping name :** CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

**UN N° :** 3261

**IMO-IMDG - Class or division :** 8 : Corrosive substance.

**IMO-IMDG - Packing group :** III

**IMO- IMDG - Packing instructions :** P002 LP02

**IMO-IMDG - Limited quantities :** 5 kg

**IMO-IMDG - Marine pollution :** No

**EMS-Nr :** F-A S-B

## **14.3. Air transport (ICAO-IATA) [English only]**

**Proper shipping name :** CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

**UN N° :** 3261

**IATA - Class or division :** 8 : Corrosive substance.

**IATA - Packing group :** III

**IATA - Passenger and Cargo Aircraft :** ALLOWED

**- Passenger and Cargo - Packing :** 860

**instruction**

**- Passenger and Cargo - Maximum :** 25 kg

**Quantity/Packing**

**IATA - Cargo only :** ALLOWED

**- Cargo only - Packing instruction :** 864

**- Cargo only - Maximum Quantity/ :** 100 kg

**Packing**

**IATA - Limited Quantities :** 5 kg

**ERG-Nr :** 8L

## **15. Regulatory information**

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

**Safety, health and environmental :** Ensure all national/local regulations are observed.  
**regulations/legislation specific for the substance or mixture**

**REACH Restrictions - Annex XVII :** The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV :** The components of this product are not subject to authorization.

## **15.2. Chemical Safety Assessment**

**Chemical Safety Assessment :** It has not been carried out.

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## **16. Other information**

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

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## **End of document**

**Prepared by: MOLYCHEM (INDIA)**

**For questions contact: MOLYCHEM**

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