

# Otto Chemie Pvt Ltd

An ISO 9001 : 2015 & GMP Certified Company  
Office : No 603, 6th Floor, Tardeo AC Market, 87, Tardeo Road,  
Tardeo, Mumbai, Maharashtra 400034, India (BHARAT)  
Tel : + 91 98200 41841 Email : [info@ottokemi.com](mailto:info@ottokemi.com) Web : [www.ottokemi.com](http://www.ottokemi.com)

Creation Date :18-04-2025

Revision Date:15-10-2030

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1: Product identifiers

Product Name : Oxalic acid, 0.1N volumetric standard solution  
Product Code :O 1378  
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  
OTTO CHEMIE PVT LTD  
No 603, 6th Floor, Tardeo AC Market, 87, Tardeo Road,  
Tardeo, Mumbai, Maharashtra 400034, India (BHARAT)

1.4. Emergency telephone number  
Phone no. : + 91 98200 41841 (10 : 00 am – 06 : 00 pm)

### SECTION 2. Hazard(s) identification

Classification  
Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements  
Hazard Statements  
Precautionary Statements  
Hazards not otherwise classified (HNOC)  
None identified

### SECTION 3. Composition/Information on Ingredients

| Component   | CAS No    | Weight % |
|-------------|-----------|----------|
| Water       | 7732-18-5 | 99.55    |
| Oxalic acid | 144-62-7  | 0.45     |

### SECTION 4. First-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. Ingestion Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur. Most important symptoms and effects  
None reasonably foreseeable.  
Notes to Physician Treat symptomatically

### SECTION 5. Fire-fighting measures

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Chemical foam.  
Unsuitable Extinguishing Media No information available  
Flash Point No information available  
Method - No information available  
Autoignition Temperature No information available  
Explosion Limits  
Upper No data available

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Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Non-combustible. None reasonably foreseeable. Hazardous Combustion Products

None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health  
1

Flammability  
1

Instability  
0

Physical hazards  
N/A

## SECTION 6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required. Environmental Precautions Should not be released into the environment. Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal.

## SECTION 7. Handling and storage

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Storage. Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Strong oxidizing agents.

## SECTION 8. Exposure controls / personal protection

Exposure Guidelines

| Component   | ACGIH TLV   | OSHA PEL   | NIOSH IDLH   | Mexico OEL (TWA)                                      |
|-------------|---|--|--|---|
| Oxalic acid | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> | (Vacated) TWA: 1 mg/m <sup>3</sup><br>(Vacated) STEL: 2 mg/m <sup>3</sup><br>TWA: 1 mg/m | IDLH: 500 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> |

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

Engineering Measures Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection No protective equipment is needed under normal use conditions. Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. Physical and chemical properties

Physical State

Appearance

Odor

Odor Threshold

pH

Melting Point/Range

Boiling Point/Range

Flash Point

Evaporation Rate

Flammability (solid, gas)

Flammability or explosive limits

Upper No

Lower

Vapor Pressure

Vapor Density

Specific Gravity

Liquid

Colorless

Odorless

No information available

No information available

No data available

No information available

No information available

No information available

Not applicable

data available

No data available

No information available

No information available

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|  |                          |
|--|--------------------------|
| Solubility                             | Soluble in water         |
| Partition coefficient; n-octanol/water | No data available        |
| Autoignition Temperature               | No information available |
| Decomposition Temperature              | No information available |
| Viscosity                              | No information available |

## SECTION 10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable.

Conditions to Avoid Incompatible products.

Hazardous Decomposition Products None under normal use conditions

Hazardous Polymerization Hazardous polymerization does not occur. Hazardous Reactions None under normal processing.

## SECTION 11: Toxicological information

11.1 Information on toxicological effects

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Toxicity to Animals:

Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/kg

Inhalation LC50 Rat: > 50mg/L.

Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified None, by NTP, None, by OSHA, None, by NIOSH.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant).

Special Remarks on Toxicity

to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

## SECTION 12. Ecological information

Ecotoxicity

| Component   | Freshwater Algae | Freshwater Fish | Microtox   | Water Flea            |
|-------------|------------------|-----------------|------------|-----------------------|
| Oxalic acid | Not listed       | Not listed      | Not listed | EC50 = 136.9 mg/L/48h |

Persistence and Degradability Soluble in water Persistence is unlikely based on information available. Bioaccumulation/

Accumulation No information available

Mobility . Will likely be mobile in the environment due to its water solubility.

| Component   | log Pow |
|-------------|---------|
| Oxalic acid | -0.81   |

## SECTION 13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

## SECTION 14. Transport information

|          |               |
|----------|---------------|
| DOT      | Not regulated |
| TDG      | Not regulated |
| IATA     | Not regulated |
| IMDG/IMO | Not regulated |

## SECTION 15. Regulatory information

United States of America Inventory

15. Regulatory information

United States of America Inventory

Component CAS No TSCA TSCA Inventory notification -

Active-Inactive

TSCA - EPA Regulatory Flags Water 7732-18-5 X ACTIVE - Oxalic acid 144-62-7 X ACTIVE - Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

TSCA 12(b) - Notices of Export

International Inventories

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Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea(KECL).  
Component CAS No DSL NDSL EINECS PICCS ENCS ISHL AICS IECSCKECLWater 7732-18-5 X - 231-791-2 X X X XKE-35400Oxalic acid 144-62-7 X - 205-634-3 X X X X XKE-13152KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)  
U.S. Federal Regulations  
SARA 313 Not applicable  
SARA 311/312 Hazard Categories See section 2 for more information  
CWA (Clean Water Act) Not applicable  
Clean Air Act Not applicable  
OSHA - Occupational Safety and Health Administration  
Not applicable  
CERCLA Not applicable  
California Proposition 65 This product does not contain any Proposition 65 chemicals. U.S. State Right-to-Know Regulations  
Component Massachusetts New Jersey Pennsylvania Illinois Rhode IslandWater - - X - - Oxalic acid X X X - XU.S. Department of Transportation  
Reportable Quantity (RQ): N  
DOT Marine Pollutant N  
DOT Severe Marine Pollutant N  
U.S. Department of Homeland Security  
This product does not contain any DHS chemicals. Other International Regulations  
Mexico - Grade No information available  
Authorisation/Restrictions according to EU REACH  
Safety, health and environmental regulations/legislation specific for the substance or mixture  
Component CAS No OECD HPV Persistent Organic Pollutant  
Ozone Depletion  
Potential  
Restriction of  
HazardousSubstances (RoHS)Water 7732-18-5 Listed Not applicable Not applicable Not applicableOxalic acid 144-62-7 Listed Not applicable Not applicable Not applicableComponent CAS No Seveso III Directive (2012/18/EC) -  
Qualifying Quantities for Major Accident Notification  
Seveso III Directive (2012/18/EC) -  
Qualifying Quantities for Safety Report Requirements  
Rotterdam Convention (PIC)  
Basel Convention(Hazardous Waste)Water 7732-18-5 Not applicable Not applicable Not applicable Not applicableOxalic acid 144-62-7 Not applicable Not applicable Not applicable Annex I - Y34

## SECTION 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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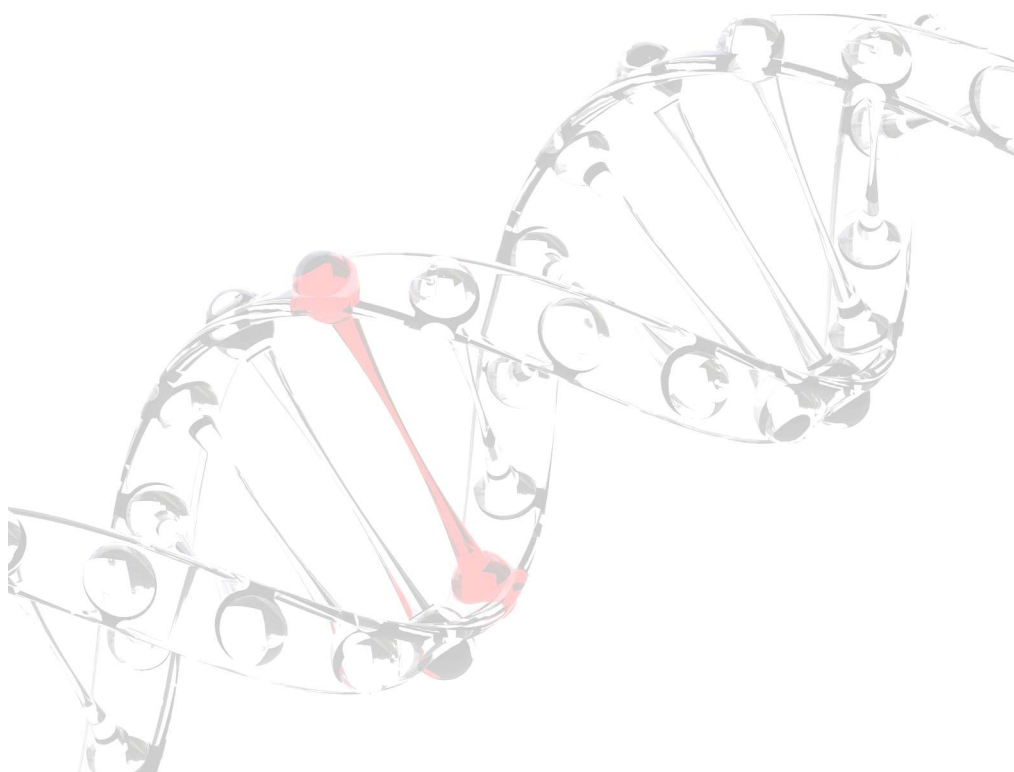
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