

Sodium oxamate SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Sodium oxamate
- **Catalog Number:** S6871
- **CAS Number:** 565-73-1
- **IUPAC Name:** Acetic acid, 2-amino-2-oxo-, sodium salt (1:1)

Relevant identified uses and uses advised against

- **Identified uses:** For research and development use only; laboratory chemicals; manufacture of substances.
- **Uses advised against:** Not for pharmaceutical, household, or other unapproved uses.

Details of the supplier

- **Company :** Selleck Chemicals
- **TollFree :** +1 877 796-6397
- **Tel :** +1 832 582-8158
- **Fax :** +1 832 582-8590

Emergency telephone number

- **Emergency phone #:** +1 832 582-8158

2. HAZARDS IDENTIFICATION

GHS Classification:

In accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200), the product as supplied is not classified as a hazardous substance or mixture.

Other Hazards:

None known.

GHS Label Elements:

The product does not require a hazard pictogram, signal word, hazard statement, or precautionary statement.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical Name: Acetic acid, 2-amino-2-oxo-, sodium salt (1:1)

CAS-No.: 565-73-1

Components: No hazardous ingredients are present in this substance.

4. FIRST AID MEASURES

If Inhaled: Move person into fresh air.

In Case of Skin Contact: Immediately remove all contaminated clothing. Rinse skin with water or shower.

In Case of Eye Contact: Rinse thoroughly with plenty of water. Remove contact lenses if present.

If Swallowed: Have the victim drink water (maximum of two glasses). Consult a physician if the individual feels unwell.

Most Important Symptoms and Effects: The most significant known symptoms and effects are described in the hazard identification (Section 2) and toxicological information (Section 11).

Protection of First-Aiders: Refer to Section 8 for personal protective equipment.

Notes to Physician: N/A

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: No limitations of extinguishing agents are specified for this substance.

Specific Hazards During Firefighting: The product is not combustible. Ambient fire may liberate hazardous vapors, including carbon oxides, nitrogen oxides (NO_x), and sodium oxides.

Specific Extinguishing Methods: N/A

Further Information: Use water spray jet to suppress gases, vapors, or mists. Prevent fire extinguishing water from contaminating surface water or groundwater systems.

Special Protective Equipment for Firefighters: In the event of a fire, wear a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:

- **For non-emergency personnel:** Avoid inhalation of powder. Evacuate the danger area, observe emergency procedures, and consult an expert.
- **For emergency responders:** Refer to Section 8 for personal protection.

Environmental Precautions: Do not allow the product to enter drains.

Methods and Materials for Containment and Cleaning Up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (refer to Sections 7 and 10). Take up dry. Dispose of properly. Clean the affected area and avoid the generation of powder.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Refer to Section 2.2 for precautions.

Conditions for Safe Storage: Keep the container tightly closed in a dry location.

Storage Class: 11, Combustible Solids.

Recommended Storage Temperature: 36-86 °F / 2-30 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.

Engineering Measures: N/A

Personal Protective Equipment:

- **Respiratory Protection:** Required when powder is generated. Recommended filter type: P1 (based on DIN EN 143, DIN 14387).
- **Hand Protection:** Handle with impervious nitrile rubber gloves.
 - Full contact: 0.11 mm thickness, >480 min breakthrough time (e.g., KCL 741 Dermatril L).
 - Splash contact: 0.11 mm thickness, >480 min breakthrough time (e.g., KCL 741 Dermatril L).
- **Eye Protection:** Use safety glasses tested and approved under government standards such as NIOSH (US) or EN 166 (EU).
- **Hygiene Measures:** Change contaminated clothing. Wash hands thoroughly after working with the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder

Color: N/A

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting Point/Range: 572 °F / 300 °C

Boiling Point/Boiling Range: N/A

Flash Point: Not applicable

Evaporation Rate: N/A

Flammability (solid, gas): N/A

Flammability (liquids): N/A

Burning Rate: N/A

Upper/Lower Explosion Limit: N/A

Vapor Pressure: N/A

Relative Vapor Density: N/A

Relative Density: N/A

Density: N/A

Water Solubility: N/A

Partition Coefficient (n-octanol/water): N/A

Autoignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity (dynamic/kinematic): N/A

Flow Time: N/A

Explosive Properties: Not classified as explosive.

Oxidizing Properties: None

Molecular Weight: 111.03 g/mol

Particle Size: N/A

10. STABILITY AND REACTIVITY

Reactivity: N/A.

Chemical Stability: The product is chemically stable under standard ambient conditions (room temperature).

Possibility of Hazardous Reactions: Violent reactions are possible with strong oxidizing agents.

Conditions to Avoid: No information available.

Incompatible Materials: N/A.

Hazardous Decomposition Products: In the event of fire, see Section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

- **Acute Toxicity:** N/A for oral, inhalation, or dermal exposure.
- **Skin Corrosion/Irritation:** N/A.
- **Serious Eye Damage/Eye Irritation:** N/A.
- **Respiratory or Skin Sensitization:** N/A.
- **Germ Cell Mutagenicity:** N/A.
- **Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA.
- **Reproductive Toxicity:** N/A.
- **STOT - Single Exposure:** N/A.
- **STOT - Repeated Exposure:** N/A.
- **Aspiration Hazard:** N/A.

11.2 Additional Information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A.

Persistence and Degradability: N/A.

Bioaccumulative Potential: N/A.

Mobility in Soil: N/A.

Other Adverse Effects: N/A.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in their original containers. Do not mix with other waste. Handle uncleaned containers in the same manner as the product itself.

14. TRANSPORT INFORMATION

IATA-DGR: Not regulated as a dangerous good.

IMDG-Code: Not regulated as a dangerous good.

Transport in Bulk (IMO instruments): Not applicable for product as supplied.

49 CFR Road: Not regulated as a dangerous good.

Poison Inhalation Hazard: No.

Special Precautions for User: Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards

No SARA Hazards

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The components of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER INFORMATION

Revision Date: 2026/07/20

Further Information: The information provided is believed to be correct but is not exhaustive and should be used only as a guideline based on current knowledge. It does not represent a guarantee of the properties of the product. Selleck Chemicals Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.