

Oligomycin A (MCH 32) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Oligomycin A (MCH 32)
- **Catalog Number:** S1478
- **CAS Number:** 579-13-5
- **IUPAC Name:** Spiro[2,26-dioxabicyclo[23.3.1]nonacosa-4,18,20-triene-27,2'-[2H]pyran]-3,9,13-trione, 22-ethyl-3',4',5',6'-tetrahydro-7,11,14,15-tetrahydroxy-6'-[(2R)-2-hydroxypropyl]-5',6,8,10,12,14,16,28,29-nona methyl-, (1R,2'R,4E,5'S,6S,6'S,7R,8S,10R,11R,12S,14R,15S,16R,18E,20E,22R,25S,28S,29R)-

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), this product is not classified as a hazardous substance or mixture.

GHS Label Elements:

The product does not require any hazard pictograms or precautionary statements.

Pictogram: None

Other Hazards:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Substance

Components:

No hazardous ingredients are present in this substance. No specific chemical structural formula is mentioned in the provided text for this section.

4. FIRST AID MEASURES

If Inhaled: Move the person into fresh air.

In case of skin contact: Immediately remove all contaminated clothing. Rinse the skin with water or shower.

In case of eye contact: Rinse out 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, both acute and delayed: The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

Protection of first-aiders: Refer to section 8 for personal protection.

Notes to physician: N/A.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water, Foam, Carbon dioxide (CO₂), Dry powder.

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

Specific hazards during fire fighting: The product is combustible. Development of hazardous combustion gases or vapors is possible in the event of a fire.

Hazardous combustion products: Carbon oxides.

Specific extinguishing methods: N/A.

Further information: Prevent fire extinguishing water from contaminating surface water or the groundwater system.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

- **For non-emergency personnel:** Avoid inhalation of dusts. 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 (see sections 7 and 10). Take up dry. Dispose of properly. Clean the affected area and avoid the generation of dusts.

7. HANDLING AND STORAGE

Precautions for safe handling: For precautions, see section 2.2.

Conditions for safe storage: Keep the container tightly closed and in a dry place.

Storage class: 11, Combustible Solids.

Recommended storage temperature: -4 °F / -20 °C.

Storage stability: Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters: Contains no substances with occupational exposure limit values.

Engineering measures: N/A.

Personal protective equipment:

- **Respiratory protection:** Required when dusts are generated. Recommended filter type: Filter type P1. Respiratory protective devices must be maintained, cleaned, and tested according to the producer's instructions.
- **Hand protection:** Handle with impervious nitrile rubber gloves.
 - Full contact: Glove thickness 0.11 mm, break through time 480 min (Manufacturer: KCL 741 Dermatril-R L).
 - Splash contact: Glove thickness 0.11 mm, break through time 480 min (Manufacturer: KCL 741 Dermatril-R L).
- **Eye protection:** Use safety glasses tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
- **Hygiene measures:** Change contaminated clothing. Wash hands after working with the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: powder

Color: white

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting point/range: Decomposes on heating.

Boiling point/boiling range: N/A

Flash point: N/A

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: 0.02 g/l (77 °F / 25 °C)

Partition coefficient: n-octanol/water: N/A

Autoignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

Molecular weight: 791.06 g/mol

Particle size: N/A

10. STABILITY AND REACTIVITY

Reactivity: Flammable organic substances in fine distribution may generally assume a dust explosion potential when whirled up.

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

Possibility of hazardous reactions: N/A.

Conditions to avoid: No information available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: In the event of fire, see section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

• **Acute toxicity:**

- Oral: N/A.
- Inhalation: N/A.
- Dermal: N/A.
- LD50 Intraperitoneal - Mouse - 1.500 mg/kg.

• **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.

• **Specific target organ toxicity (single and repeated exposure):** N/A.

- **Aspiration hazard:** N/A.

11.2 Additional Information:

RTECS: RK3328000. May be fatal if it enters the bloodstream. 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 original containers. Do not mix with other waste. Handle uncleaned containers in the same manner as the product itself.

14. TRANSPORT INFORMATION

International Regulations:

- **IATA-DGR:** Not regulated as a dangerous good.
- **IMDG-Code:** Not regulated as a dangerous good.
- **Transport in bulk:** Not applicable for product as supplied.

National Regulation:

- **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: Acute Health Hazard

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 ingredients of this product are reported in the following inventories:

- **TSCA:** Product contains substance(s) not listed on 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: 2026/07/02

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.