

Safety Data Sheet


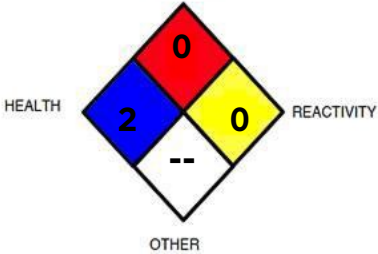
Section 1: Product & Company Identification

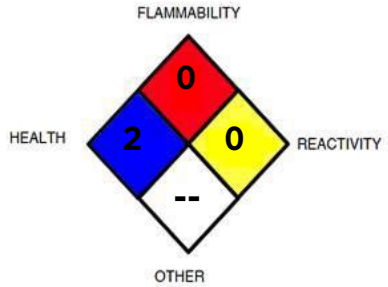
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| Product Name: | Okadaic Acid, Sodium Salt |
| Product #: | O-1030 |
| Synonyms: | 9,10-Deepithio-9,10-didehydroacanthifolicin, Halochondrine A. Na, Halochondrine A sodium salt |
| Supplier: | AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925 |
| Emergency Tele#: | ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585 |

Section 2: Composition / Information on Ingredients

| Component | CAS# | EC # | % Composition |
|---------------------------|-------------|------|---------------|
| Okadaic Acid, Sodium Salt | 209266-80-8 | - | >98 |

Section 3: Hazards Identification

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| Symbols |  |
| HMIS Classification | <p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p> |

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| NFPA Classification |  |
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Section 4: First Aid Measures

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| General Overview: | Toxic, irritant. |
| Inhalation: | If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration. |
| Skin: | Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician. |
| Eyes: | Flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician. |
| Ingestion: | If swallowed, wash out mouth with copious amounts of water; call a physician. See section 11 for more detailed information on health effects & symptoms. |

SECTION 5: Fire Fighting Measures

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| Flammability of the product: | No data available |
| Extinguishing Media: | Water spray, carbon dioxide, dry chemical powder or foam. |
| Hazardous thermal (de)composition products: | May emit toxic fumes under fire conditions |
| Special Fire Fighting Procedures: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |
| Flash Point: | No data available |

Section 6: Accidental Release Measures





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| Personal Precautions: | Cordon off area of spill; wear self-contained breathing apparatus, protective clothing, and heavy rubber gloves. |
| Environmental Precautions: | No data available |

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| Methods for Clean-up: | Absorb solutions with finely powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13. |
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SECTION 7: Handling & Storage

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| Storage: | Store solid and solutions at -20°C |
| Handling: | Avoid contact with skin, eyes, and clothing; material may be an irritant. |

SECTION 8: Exposure controls / Personal Protection

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| Respiratory Protection: |  <p>NIOSH/MSHA-approved respirator.</p> |
| Skin and Body: |   <p>Protective gloves.</p> |
| Eyes: |  <p>Chemical safety goggles</p> |
| Ventilation/Engineering Measures: | Ensure proper ventilation. |
| Hygiene: | Handle in accordance with good industrial hygiene and safety practice. |
| Other: | N/A |

SECTION 9: Physical and Chemical Properties

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| Appearance & Odor: | White crystalline solid or clear, colorless film |
| Formula | $C_{44}H_{67}O_{13} \cdot Na$ |
| Molecular Wt. | 826.98 |
| Melting Pt. | No data available |
| Boiling Pt. | No data available |
| Density: | No data available |
| Vapor Pressure: | No data available |
| Evaporation Rate: | No data available |
| Vapor Density: | No data available |
| Solubility: | DMSO, Methanol, Ethanol |
| Flash Point: | No data available |
| Autoignition Temp: | No data available |

SECTION 10: Stability and Reactivity

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| Stability: | Stable under recommended storage conditions |
| Hazardous decomposition products: | Thermal decomposition may produce toxic gases such as carbon monoxide and carbon dioxide |
| Materials to Avoid: | Acids, bases |
| Conditions to avoid: | Heat and light |

SECTION 11: Toxicological Information

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| RTECS#: | N/A |
| ACUTE Toxicity: | Intraperitoneal toxicity for the free acid form: LD50 = 192 µg/kg (mouse) |
| CHRONIC Toxicity: | N/A |
| Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive: | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA |

SECTION 12: Ecological Information

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| Ecotoxicity: | Treat as potentially toxic if released into the environment. |
| Mobility: | No data available |
| Persistence and degradability: | No data available |
| Bioaccumulative potential: | No data available |
| Other adverse effects: | No data available |
| Corrosivity Characteristic: | No data available |
| General Notes: | To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. |

SECTION 13: Disposal Considerations

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| Residue Waste or Unused product: | Dispose of in accordance with prevailing country, federal, state, and local regulations. |
| Contaminated Packaging: | Do not reuse container |

SECTION 14: Transportation Information

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| UN ID#: | UN3462 |
| ADR / RID (LAND): | N/A |
| DOT regulations: | Toxins, extracted from living sources, solid, n.o.s. (Okadaic acid), Class: 6.1, Packing group: I |
| IMDG/IMO (SEA): | Toxins, extracted from living sources, solid, n.o.s. (Okadaic acid), Class: 6.1, Packing group: I |
| IATA/DGR (AIR): | Toxins, extracted from living sources, solid, n.o.s. (Okadaic acid), Class: 6.1, Packing group: I |
| Special Provisions: | N/A |

SECTION 15: Regulatory Information

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| Health Phrases: | H302+312+332 - Harmful if swallowed, in contact with skin or if inhaled |
| Risk Phrases: | P262 - Do not get in eyes, on skin or on clothing |
| Safety Phrases: | Toxic, Irritant |
| EU Regulations: | S22 Do not breathe dust S24/25 Avoid contact with skin and eyes S36/37/39 Wear suitable protective clothing, gloves, and eye/face protection S46 If swallowed, seek medical advice immediately and show this container or label R23/24/25 Toxic by inhalation, in contact with skin and if swallowed |

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| | R37/38 Irritating to respiratory system and skin |
| US Regulations: | TSCA: California Proposition 65: |
| U.S. Federal Regulations: | SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: Acute toxicity - Oral, Dermal, Inhalation (Cat. 3) |
| WHMIS (Canada): | N/A |

SECTION 16: Other Information

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