

SECTION 1. ----- PRODUCT AND COMPANY

IDENTIFICATION-----

Product Name Okadaic acid, sodium salt
Product Code(s) OL1199
Recommended Use For Laboratory Research Use Only
 Not for Human or Animal Drug Use

SECTION 2. ----- HAZARDS IDENTIFICATION -----

HazardDescription: Toxic;Irritant
 SubstanceClassIdentifier: Tumorigen;Mutagen;NaturalProduct;HumanData
 Toxicifswalowed,inhaled,orabsorbedthroughtheskin
 Ingestionwilresultindiarrhea,vomiting,abdominalpainandcramping
 Irritatingtoskinandrespiratorysystem;maycauseeyeirritation
 SignalWord: Danger
GHS Hazard Statements:
 H302+312+332-Harmfulifswalowed,incontactwithskinorifinhaled
GHS PrecautionaryStatements:
 P2562-Donotgetineyes,onskinoronclothing
 WARNING:ForLaboratoryResearchUseOnly



SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Okadaic acid, sodium salt	-	209266-80-8	<100

SECTION 4. ----- FIRST-AID MEASURES-----

AfterInhalation: Ifinhaled,removetofreshair;ifbreathingisdifficult,give oxygen;ifbreathingstops,giveartificialrespiration
 Afterskincontact:flushwithcopiousamountsofwater;removecontaminated clothingandshoes;calaphysician
 Aftereyecontact:flushwithcopiousamountsofwater;assureadequate
 flushingbyseparatingtheeyelidswithfingers;calaphysician
 Afterswalowing:ifswalowed,washoutmouthwithcopiousamountsofwater; calaphysician

SECTION 5. ----- FIRE FIGHTING MEASURES -----

Suitableextinguishingagents:waterspray,carbondioxide,drychemical powderorfoam Protectiveequipment:wearself-

contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Unusual fire hazard: may emit toxic fumes under fire conditions

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES -----

Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves
Measures for cleaning/collecting: 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

SECTION 7. ----- HANDLING AND STORAGE -----

Information for safe handling: avoid contact with skin, eyes and clothing; material may be an irritant
Storage: store solid and solutions at -20°C

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION -----

Personal protective equipment as follows: Breathing equipment: NIOSH/MSHA-approved respirator
Protection of hands: handle with Nitrile rubber gloves with minimum thickness of 0.11 mm (4.3 mil). This recommendation should not be interpreted as offering an approval for any specific use conditions. Please review this recommendation with a safety officer to evaluate if it is appropriate for the anticipated use.

Eye protection: chemical safety goggles

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

Form: crystalline solid or clear, colorless film
Color: white
Odor: none
Melting point/Melting range: not determined
Danger of explosion: none
Solubility in/Miscibility with water: not determined
Solvent content: none
Organic solvents: soluble in DMSO, methanol, or ethanol

SECTION 10. ----- STABILITY AND REACTIVITY -----

Stability: avoid acids and bases Thermal decomposition/condition to be avoided: protect from light and heat
Dangerous products of decomposition: thermal decomposition may produce toxic gases such as carbon monoxide and carbon dioxide

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

RTECS#: not available Acute toxicity: intraperitoneal toxicity for the free acid form (LD50): 192 µg/kg (mouse)
On the skin: causes skin irritation; harmful if absorbed through the skin On the eye: causes eye irritation
Inhalation: causes respiratory tract irritation; harmful if inhaled Ingestion: harmful if swallowed

SECTION 12. ----- ECOLOGICAL INFORMATION -----

General notes: no data available
Treat as potentially toxic if released into the environment

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

Dispose of in accordance with prevailing country, federal, state and local regulations

SECTION 14. ----- TRANSPORT INFORMATION -----

UN number:3462

DOT:Toxins,extractedfrom livingsources,solid,n.o.s.(Okadaicacid),Class: 6.1,Packinggroup:I

IMDG:Toxins,extractedfrom livingsources,solid,n.o.s.(Okadaicacid),Class: 6.1,Packinggroup:I

IATA:Toxins,extractedfrom livingsources,solid,n.o.s.(Okadaicacid),Class: 6.1,Packinggroup:I

SECTION 15. ----- REGULATORY INFORMATION -----

Codeletterandhazarddesignationofproduct:

T:Toxic,Xi:Irritant

EU RiskAndSafetyphrases: S22:Donotbreathedust

S24/25:Avoidcontactwithskinandeyes

S36/37/39:Wearsuitableprotectiveclothing,glovesandeye/faceprotection

S46:Ifswallowed,seekmedicaladviceimmediatelyandshow thiscontaineror label

R23/24/25:Toxicbyinhalation,incontactwithskinandifswallowed R37/38:Irritatingtorespiratorysystem
andskin

SECTION 16. ----- OTHER INFORMATION-----

Further information: no limited for paper copy, just for internal uses.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information

relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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End of SDS