SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2019
Date Updated: September 18, 2019

SECTION 1. - - - - - - - - - PRODUCT AND COMPANY IDENTIFICATION- - - - - - - - - -

Product Name	Okadaic acid, free acid
Product Code(s)	OL1198
Recommended Use	For Laboratory Research Use Only Not for Human or Animal Drug Use
Supplier	Bio Basic Inc.
Address	20 Konrad Crescent, Markham, Ontario, Canada, L3R 8T4
Telephone	(905) 474 4493
Fax	(905) 474 5794
For Chemical Emergency Phone#	(416) 995 9730

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

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

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

Chemical Name	EC No.	CAS-No	Weight %
Okadaic acid, free acid	-	78111-17-8	<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-containedbreathingapparatusandprotective clothingtopreventcontactwithskinandeyes

Unusualfirehazard:mayemittoxicfumesunderfireconditions

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

Person-relatedsafetyprecautions:cordonoffareaofspil;wearself-contained breathingapparatus,protectiveclothingandheavyrubbergloves
Measuresforcleaning/colecting:absorbsolutionswithfinely-powderedliquid-bindingmaterial(diatomite,universalbinders);decontaminatesurfacesand equipmentbyscrubbingwithalcohol;disposeofcontaminatedmaterial accordingtoSection13

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

Informationforsafehandling:avoidcontactwithskin,eyesandclothing; materialmaybeanirritant
Storage:storesolidandsolutionsat-20ºC

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

Personalprotectiveequipmentasfollows: Breathingequipment:NIOSH/MSHA-approvedrespirator
Protectionofhands:handlewithNitrilerubbergloveswithminimum thickness of0.11mm (4.3mil).Thisrecommendationshouldnotbeinterpretedas offeringanapprovalforanyspecificuseconditions.Pleasereview this recommendationwithasafetyofficertoevaluateifitisappropriateforthe anticipateduse.

Eyeprotection:chemicalsafetygoggles

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

Form:crystalinesolidorclear,colorlessfilm
Color:white
Odor:none
Meltingpoint/Meltingrange:notdetermined
Dangerofexplosion:none
Solubilityin/Miscibilitywithwater:notdetermined
Solventcontent:none
Organicsolvents:solubleinDMSO,methanol,orethanol

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

Stability:avoidacidsandbases Thermaldecomposition/conditionstobeavoided:protectfrom lightandheat
Dangerousproductsofdecomposition:thermaldecompositionmayproduce toxicgasessuchascarbonmonoxideandcarbondioxide

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

RTECS#:AA8227800
Acutetoxicity:intraperitonealtoxicity(LD50):192µg/kg(mouse)
Ontheskin:causesskinirritation;harmfulifabsorbedthroughtheskin
Ontheeye:causeseyeirritation
Inhalation:causesrespiratorytractirritation;harmfulifinhaled
Ingestion:harmfulifswalowed

SECTION 12. - - - - - - - - - ECOLOGICAL INFORMATION - - - - - - - - - -
Generalnotes:nodataavailable
Treataspotentiallytoxicifreleasedintotheenvironment

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

Disposeofinaccordancewithprevailingcountry,federal,stateandlocal 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:Ifswalowed,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

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End of SDS