FERMENTEK biotechnology

Search this website

Find

Home

About us

Support

Products

Contact u

MSDS for Anisomycin

Back to the Product Page

	Section 1. Product and Company Information
Name:	Anisomycin
CAS Number:	22862-76-6
Catalog Code:	AN
Synonyms	• (-)-Anisomycin, • Antibiotic PA-106 • Flagecidin *
Company Identification	Fermentek ltd, See page footer for contact details
	Section 2. Composition / Information on Ingredient
EINECS/ELINCS	245-269-7
Chemical Formula:	$C_{14}H_{19}NO_4$
Chemical Class:	
RTECS	BZ9800000
TSCA	
	Section 3. Hazards Identification
	Section 4. First Aid Measures
Eye Contact	Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.
Skin Contact	Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention immediately
Inhalation	Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.
Ingestion	Remove dentures and clear mouth. If person is conscious, rinse mouth with water Call physician or poison control immediately. Provide chemical label and MSDS information if possible.
	Section 5. Fire and Explosion Data
Flammability	Not Available

Flash Point	Not Available
Combustion Products	CO, CO_2, NO,NO_2,
Extinguishing Media	Carbon Dioxide, Dry chemical powder, polymer foam, water spray
Special Firefighting Procedures	Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire/Explosion Hazards	None known
	Section 6 - Accidental Release Measures
Cleanup Procedures	Wearing appropriate protective gear as outlined under ☐Protective equipment☐ wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed
Waste Disposal Method	Observe all Federal, State and Local regulations concerning the disposal of this product.Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete
	Section 7 - Handling and Storage
Protective Equipment	For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self contained breathing apparatus or NIOSH/MSHA approved respirator is recommended.
Storage and Handling	This product should be kept in a tightly closed container. This product should be handled only by qualified experienced professionals. Wash thoroughly after handling this material Store at -18°C
	Section 8 - Exposure Controls / Personal protection
General	Use only in a chemical fume hood. Safety shower and eye bath. Use adequate ventilation to keep airborne concentrations low
Personal protective equipment	• Respiratory: Government approved respirator. • Hand: Compatible chemical-resistant gloves. • Eye:Chemical safety goggles.
	Section 9. Physical Data
Appearance	White powder
Molecular Weight	265.3
Solubility	Anisomycin is also soluble in DMSO, EthOH,Dichloromethane. Slightly soluble in water
	Section 10. Stability and Reactivity Data
Stability	This material is stable if stored as directed
Conditions to Avoid	Excess heat, incompatible materials, strong oxidizers
Incompatibles	Reactive with oxidizing agents, acids, alkalis.
Hazardous polymerization	Will not occur

Section 11 - Toxicological Information

RTECS#:	BZ9800000
Route of exposure	• Skin Contact: May cause skin irritation. • Skin Absorption: May be harmful if absorbed through the skin. • Eye Contact: May cause eye irritation. • Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. • Ingestion: Toxic if swallowed.
TOXICITY DATA (LD50)	• Oral Mouse : LD50=148 mg/kg • Intraperitoneal Mouse: LD50=400 MG/KG • Subcutaneous Mouse : LD50=600 MG/KG • Intravenous Mouse : LD50=10 MG/KG • Behavioral Remarks: Convulsions or effect on seizure threshold. • Target organs: Lungs, Thorax, Respiratory depression.

Section 12 - Ecological Data

Ecotoxicological Information:	None Available

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

US DOT	• Proper Shipping Name: Toxic solids, organic, n.o.s. • UN#: 2811 • Class: 6.1 • Packing Group: Packing Group III • Hazard Label: Toxic substances. • PIH: Not PIH
IATA	• Proper Shipping Name: Toxins, extracted from living • sources, solid, n.o.s. • IATA UN Number: 3462 • Hazard Class: 6.1 • Packing Group: III

	Section 15-Regulatory Information
US CLASSIFICATION AND LABEL TEXT	• Indication of Danger: Toxic. • Risk Statements: Toxic if swallowed. • Safety Statements: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
UNITED STATES REGULATORY INFORMATION	• SARA LISTED: No • CANADA REGULATORY INFORMATION • WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. • DSL: No • NDSL: No
EU ADDITIONAL CLASSIFICATION	• Symbol of Danger: T • Indication of Danger: Toxic. • R: 25 • Risk Statements: Toxic if swallowed. • S: 45 • Safety Statements: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
	Section 16 -Other Information
Disclaimer	For R&D use only. Not for drug, household or other uses
Warranty	DISCLAIMER For R&D use only. Not for drug, household or other uses. For use only by trained personnel. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The burden of safe use of this material rests entirely with the user. Fermentek shall not be held liable or any damage resulting from handling or from contact with the above product.

Products

7AAD17AA17DMAGA23187 ActinomycinAflatoxin B1Aflatoxin B2Aflatoxin

M1AlamethicinAnisomycinApicidinAphidicolinAscomycinBafilomycin Brefeldin

CastanospermineCeruleninChelerythrine

Chromomycin

A3CitreoviridinCitrininCyclopamineCytochalasin ACytochalasin BCytochalasin CCytochalasin DCytochalasin EDihidrocy

tochalasinDeoxynivalenolDiacetoxyscirpenolFK506Forskolin

FumagillinFumonisinGeldanamycinGliotoxinHypericinHT2 toxinIonomycinK252AK252-

CKT5720KT5823Leptomycin BMithramycin AMoniliforminMycophenolicMyriocinNigericinNonactin

Ochratoxin AOligomycinParthenolidePatulinPaxillinePenicillic acidPenitremPKC412PuromycinPuromycin ANRadicicolS

taurosporineSterigmatocystinT2 toxinTentnoxinThapsigarginThiolutin

ThiostreptonTriacsinTrichostatinTunicamycinValinomycinVerruculogenVomitoxinWithaferin WortmanninZearalenone

statcounter

00405969

Company's eMail:

Sales@Fermentek.com

Mail Address:
Yatziv 25, Atarot industrial zone,
POB 47120,
Jerusalem 97800
Israel

Fax: 972 2 5853943
Phone: 972 2 5853953