



Safety
Data
Sheet

Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 1 of 9

1. Identification of the Substance and the Manufacturer

1.1. Product identifiers

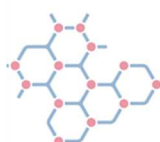
Product name	Filipin complex	Formula	C ₃₅ H ₅₈ O ₁₁
Product Code	FLP-001	Molecular weight	654.83 g/mol
CAS	11078-21-0 480-49-9	Mixture?	Substance
ECHA	631-260-9	PUBCHEM	6433194
		RTECS	LK4400000
Comptox EPA	DTXSID201023592	CHEBI	CHEBI:83267
Synonyms and other names	14-Deoxylagosin IUPAC:	Filimirasin	Filmirisin
Source	From: <i>Streptomyces filipinensis</i>	Version Date	0 XXX, 0000

1.2. Intended uses of the Substance and uses advised against

1.2.1. Intended use:		1.2.2. Uses advised against:
Research and development.	Manufacturing of substances.	Not a drug,
Laboratory reagent.	To be used by professionals only	Not a food additive
Reference material.		Not to be used in humans or animals.

1.3. Contacts

1.3.1. Details of the supplier of the SDS	
FERMENTEK ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: Fermentek@Fermentek.com Safety@Fermentek.com Website: Fermentek.com
This company is the manufacturer of the product and the supplier of the safety data sheet	
1.3.2. Emergency Telephone number	
For chemical emergency spill, leak, fire, exposure, or accident calls CHEMTREC day or night: Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-527-3887	





Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 2 of 9

2. Hazards' identification.

Classification of the Substance .

2.1.1. GHS Classification: According to EU Reg. 1272/2008 and US OSHA 1910.1200

Accute toxicity: Oral	Category 3	H301	Toxic if swallowed (based on estimate)
Skin corrosion/irritation	Category 2	H315	Causes skin irritation
Serious eye damage	Category2A	H319	Causes serious eye irritation
STOT/SE Respiratory tract	Category 3	H335	May cause respiratory irritation

2.2. GHS Label elements, including precautionary statements

2.2.1. Pictogram: { } Signal word: {Danger}

2.2.2. Hazard Statements

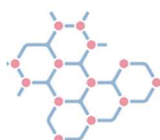
H301	Toxic if swallowed (based on estimate)
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

2.2.3. GHS Precautionary Statements

P203	Obtain, read and follow all safety instructions before use.
P261	Avoid breathing dust or mist.
P264	Wash {hands} thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

2.2.4. GHS Response Phrases:

P301+P316; P330:	IF SWALLOWED: Get emergency medical help immediately. Rinse mouth
P302+P352	IF ON SKIN: wash with plenty of water
P332+P317	IF SKIN IRRITATION OCCURS: Get medical help.
P362+P364	Take off immediately all contaminated clothing and wash it before reuse.
P305+P351+P338, P337+P317	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing If eye irritation persists, Get emergency medical help.





Safety
Data
Sheet

Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 3 of 9

P304+P340, P319	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.
-----------------	--------------------------------------------------------------------------------------------------------------------

3. Composition/information on ingredients

Substance	
Substance Name:	Filipin complex
Concentration	<=100%
CAS Registry#:	11078-21-0 480-49-9
EC#:	631-260-9
Molecular Formula:	C ₃₅ H ₅₈ O ₁₁
Molecular Weight:	654.83 g/mol
Classification	Acc O:3 (H301)
Mixture?	Substance

4. First Aid Measures.

4.1. Description of First Aid Measures.

General advice:	First-aiders need to protect themselves. If medical attention is required, show this safety data sheet to the doctor in attendance.
Ingestion:	If swallowed: give water to drink (two glasses at most). Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

General symptoms	See section 11
------------------	--------------------------------

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	No data available
--------------------	-------------------

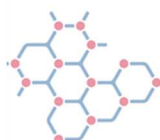
5. Fire-fighting measures.

5.1. Extinguishing media.

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None known

5.2. Other information

Hazardous combustion products	Carbon oxides, Nitrogen oxides, Sulfur oxides, Sulfur hydrogen C ₃₅ H ₅₈ O ₁₁
-------------------------------	-------------------------------------------------------------------------------------------------------------------------





Safety
Data
Sheet

Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 4 of 9

Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary.
Wear protective suit.

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Personal precautions

Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

6.2. Environmental precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment:

Prevent further leakage or spillage if safe to do so. Cover the powder spill with a plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up:

Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Cover liquid spill with sand, earth or other non-combustible absorbent material (e.g., sand, earth, diatomaceous earth, and vermiculite). Cover the powder spill with a plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place.
Keep out of the reach of children.
Store at -20 °C.

Suitable packaging

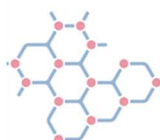
Must only be kept in original packaging.

Incompatible materials:

None known based on information available.

8. Exposure Controls/Personal Protection

Attention:





Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 5 of 9

Usually, the product of concern would be present at the intended workplace in miniscule amounts, while surrounded by considerable amounts of other flammable, toxic or otherwise hazardous substances. Therefore, the employer/user should perform a risk assessment prior to the use of this product.

The type of protective equipment must be selected based on the amount and concentration of all dangerous materials being used in the workplace.

All recommendations included in this document are advisory in nature

8.1. Control parameters

Control parameters	Components with workplace control parameters
--------------------	----------------------------------------------

8.2. Exposure controls

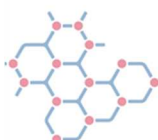
Appropriate engineering controls	Showers, Eyewash stations, Ventilation systems Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Use fume-hood for routine work.
----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

8.3. Personal protective equipment

[PPE=Personal Protection Equipment]	
PPE: Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
PPE: Hand Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands
PPE: Eye Protection:	Use a face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
PPE: Skin and Body Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

9. Physical and chemical properties

The information given here does not purport specification of warranty of any kind. It is designed





Safety
Data
Sheet

Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 6 of 9

only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification.

9.1. Physical/chemical properties

Physical State at room temperature	Solid
Appearance	Yellow powder
No further safety relevant data are available	

10. Stability and reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Sunlight.
Incompatible materials	Strong reducers and oxidizers
Possibility of hazardous reactions	None under normal processing
Hazardous combustion products	See section 5

11. Toxicological information

11.1. Information on toxicological effects

To the best of our knowledge, the toxicological effects of this product have not been thoroughly studied yet.

11.1.1. Acute Toxicity

Acute toxicity:	▶▶Estimate ◀◀ Oral, Mouse, LD50=170 mg/kg Intraperitoneal, Mouse, LD50=17 mg/kg
Skin corrosion/irritation:	Irritant (estimate)
Serious eye damage/eye irritation:	Irritant (estimate)
Respiratory or skin sensitization/corrosion:	Irritant (estimate)

11.1.2. Chronic toxicity

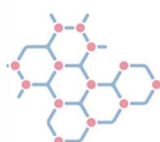
Chronic toxicity	No data available
------------------	-------------------

11.1.3. CRM (Carcinogene, Mutagene, Reproductive hazards)

Germ cell mutagenicity:	No data available
Carcinogenicity:	Not classified by IARC
Reproductive toxicity / Teratogenicity:	No data available

11.2. Additional information

RTECS number	LK4400000
--------------	-----------





Safety
Data
Sheet

Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 7 of 9

General symptoms	No data available
------------------	-------------------

12. Ecological Information

Eco-Toxicity	No data available
--------------	-------------------

Other adverse effects	No data available
-----------------------	-------------------

13. Disposal Considerations

13.1. Waste treatment methods

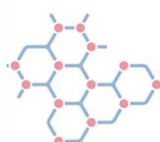
Waste Disposal	Dispose of in accordance with local regulations
----------------	-------------------------------------------------

Contaminated packaging	Dispose of as unused product
------------------------	------------------------------

14. Transport information

14.1. UN Number, Proper Shipping Name, Transport Hazard Class, packing group

	IATA	IMDG	ADR/RID	US/DOT
UN Number, Proper shipment name	UN 3462 Toxins, extracted from living sources, solid, n.o.s. (Filipin complex)	UN 3462 Toxins, extracted from living sources, solid, n.o.s. (Filipin complex)	UN 3462 Toxins, extracted from living sources, solid, n.o.s. (Filipin complex)	UN 3462 Toxins, extracted from living sources, solid, n.o.s. (Filipin complex)
Transport hazard Class, Packing group	6.1 poison Not hazardous for transport PG III	6.1 poison Not hazardous for transport PG III	6.1 poison Not hazardous for transport PG III	6.1 poison Not hazardous for transport PG III
Comments		Not marine pollutant		





Safety
Data
Sheet

Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 8 of 9

15. Regulatory information

15.1. Safety, health, and environmental regulations/legislation

USA EPA / TSCA	This product is not listed on the USA EPA TSCA (it is for research)
EU ECHA Status	This product is registered with the EU ECHA, Number 631-260-9 REACH: Neither Registered nor PreRegistered. ANNEX III (criteria for 1 - 10 tonne registered substances): Not Listed

16. Other information

16.1. Version information

Version date:8-2024	Minor formatting
---------------------	------------------

16.2. Department issuing this SDS

Quality systems and regulatory affairs


16.3. General Disclaimer

<p>The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.</p> <p>The information given here is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification.</p> <p>The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless explicitly specified in the text.</p>

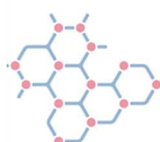
16.4. The users'/employers' responsibility:

<p>Usually, the product of concern would be present at the intended workplace in miniscule amounts, while surrounded by considerable amounts of other flammable, toxic or otherwise hazardous substances.</p> <p>Therefore, the employer/user should perform a risk assessment by prior to the use of this product. The type of protective equipment must be selected based on the amount and concentration of all dangerous materials being used in the workplace.</p> <p>All recommendations included in this document are advisory in nature.</p>

16.5. No ©copyright

	<p>Fermentek does not claim ©copyright on this document.</p> <p>Fermentek believes that no one can claim copyright on an SDS. This sort of document is but a compendium of common knowledge and published facts.</p> <p>Fermentek explicitly releases this document into the public domain.</p>
-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

16.6. End of SDS






Filipin complex

Sections [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Filipin-complex vers 8-2024

Page 9 of 9

16.7. Appendix A : Abbreviations and acronyms:

	<i>This symbol means, the text looking like a hyperlink, is a clickable link indeed. Of course, these are only active on glass screens, not on paper.</i>
<i>From /Synthetic /Semisynthetic</i>	<i>“From” means the compound was extracted from biomass, whether algal, fungal, microbial or plant material “Synthetic” means this compound has been manufactured by chemical conversion of another compound. Often, certain product is made by the method of microbial fermentation, purified, and then chemically converted into another compound. It may be called “semisynthetic”.</i>
<i>Mixture/Substance/ Complex</i>	<i>Substance means a single compound. , Mixture means there are two or more pure substances mixed purposely. Complex is a mixture of two or more substances which naturally occur together and are sold unseparated</i>
<i>Acute Tox.:</i>	<i>Acute toxicity</i>
<i>CAS:</i>	<i>Chemical Abstracts Service</i>
<i>ChEBI</i>	<i>Chemical Entities of Biological Interest</i>
<i>CNS</i>	<i>Central nervous system</i>
<i>Comptox</i>	<i>CompTox Chemicals Dashboard Resource Hub (EPA)</i>
<i>DOT:</i>	<i>US Department of Transportation</i>
<i>ECHA</i>	<i>European Chemicals Agency</i>
<i>EINECS:</i>	<i>European Inventory of Existing Commercial Chemical Substances</i>
<i>EPA</i>	<i>United States Environmental Protection Agency</i>
<i>Eye Dam.:</i>	<i>Serious eye damage/eye irritation</i>
<i>HSDB</i>	<i>Hazardous Substances Data Bank</i>
<i>HMIS:</i>	<i>Hazardous Materials Identification System (USA)</i>
<i>IATA:</i>	<i>International Air Transport Association</i>
<i>IMDG:</i>	<i>International Maritime Code for Dangerous Goods</i>
<i>LC50:</i>	<i>Lethal concentration, Median</i>
<i>LD50:</i>	<i>Lethal dose, Median</i>
<i>LDL0</i>	<i>Letal dose, least published</i>
<i>NDG</i>	<i>Not dangerous goods (for transport)</i>
<i>NFPA:</i>	<i>National Fire Protection Association USA</i>
<i>NIOSH:</i>	<i>National Institute for Occupational Safety</i>
<i>NOAEL</i>	<i>No-Observed-Adverse-Effects-Level. Highest dose which yielded no results at toxicity test</i>
<i>OSHA:</i>	<i>Occupational Safety & Health</i>
<i>PBT:</i>	<i>Persistent, Bioaccumulative, and Toxic</i>
<i>PEL:</i>	<i>Permissible Exposure Limit</i>
<i>PubChem</i>	<i>An open chemistry database at the National Institutes of Health (NIH). “</i>
<i>REL:</i>	<i>Recommended Exposure Limit</i>
<i>Repr.:</i>	<i>Reproductive toxicity, incl. hazards to reproductive systems, and pregnancy and the offspring.</i>
<i>RTECS:</i>	<i>Registry of Toxic Effects of Chemical Substances. Not free.</i>
<i>Skin Irrit:</i>	<i>Skin corrosion/irritation</i>
<i>STOT/SE</i>	<i>Specific target organ toxicity/Single exposure</i>
<i>STOT/RE</i>	<i>Specific target organ toxicity/Repeated exposure</i>
<i>T3DB</i>	<i>Toxin and Toxin Target Database</i>
<i>TDL0</i>	<i>Toxic dose, least published</i>

