



Safety Data Sheet: Bafilomycin B1

Section 1. Identification of the substance/mixture and of the Company

Product identifiers			
Product name	Bafilomycin B1	Formula	C₄₄H₆₅NO₁₃
Product Code	BFB	RTECS	NG8841000
CAS #	88899-56-3	Molecular weight	816 g/mol
EC Number #	635-481-1		

Intended uses of the substance or mixture and uses advised against	
Intended use	Uses advised against:
Only for Research and/or Development	Not for drug, Not to be used in humans or animals. Not food additive

Details of the supplier of the safety data sheet		Emergency Telephone number
FERMENTEK Ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	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

This company is the manufacturer of the product, and the supplier of the safety data sheet

Reach: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

Section 2. Hazards identification

Emergency Overview

OSHA Hazards

Highly toxic by inhalation, Highly toxic by skin absorption

GHS Classification

Acute toxicity, Oral	(Category 2)
Acute toxicity, Inhalation	(Category 2)
Acute toxicity, Dermal	(Category 2)

GHS Label elements, including precautionary statements

Signal word: **Danger**

Pictogram: { }



Comment: exact quantitative data for lethal or toxic doses for this compound are not available.

Hazard statement(s)

H300 + H310 + H330 Fatal if swallowed or in contact with skin or if inhaled

Precautionary statement(s)

- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/ protective clothing.
- P284 Wear respiratory protection.
- P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.
- P310 Immediately call a POISON CENTER or doctor/ physician.



Potential Health Effects

Inhalation May be fatal if inhaled. May cause respiratory tract irritation.
Skin May be fatal if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion May be fatal if swallowed.

Section 3. Composition/information on ingredients

Substance		
Substance name:	Bafilomycin B1	
	CAS Registry #:88899-56-3 EC#: 635-481-1	
	Molecular Formula: C44H65NO13 Molecular Weight 816 g/mol Concentration: ≤ 100%	H300+H330+H310 Fatal if swallowed or in contact with skin or inhaled

Mixture

Not mixture.

Section 4. First Aid Measures

Description of First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye contact:	Flush eyes with water as a precaution
Skin Contact:	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Ingestion:	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water. Call a physician
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Self-protection of the first aider:	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Note to physicians	Not available



Section 5. *Fire-fighting measures*

Extinguishing media

Flammability	Not flammable or combustible.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None
Hazardous combustion products	Carbon oxides, Nitrogen oxides.
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.

Section 6. *Accidental release measures*

Personal precautions	Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental precautions	Evacuate personnel to safe areas. Avoid breathing dust. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods and material for containment and cleaning up	
Methods for containment:	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up:	Cover liquid spill with sand, earth or other non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, and vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.

Section 7. *Handling and storage*

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.
---------------------------------	--

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, Protect from sunlight. Protect from moisture. Store under inert gas (Argon).
Incompatible materials:	None known based on information available.



Section 11. Toxicological information

Information on toxicological effects

The toxicological effects of this product have not been thoroughly studied.

Acute Toxicity

Ingestion / oral	TDL0 (mouse) 0.47 mg/kg; LDLO or LD50 (Oral) not available
Inhalation	No data available
Serious eye damage/eye irritation:	No data available
Skin corrosion/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Reproductive toxicity / Teratogenicity:	Investigated as reproductory effector
Aspiration hazard:	No data available
Additional information:	RTECS: NG8841000

Potential health effects

Inhalation	May be fatal if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be fatal if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC. Not identified as a carcinogen or potential carcinogen by ACGIH. Not identified as known or anticipated carcinogen by NTP. Not identified as a carcinogen or potential carcinogen by OSHA.

Section 12. Ecological Information

Eco-Toxicity	No further relevant information available
Other adverse effects	No further relevant information available.

Section 13. Disposal Considerations

Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product

Section 14. Transport information

UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	3462	3462	3462	3462
UN proper shipping name	Toxins, extracted from living sources, solid, n.o.s. (Bafilomycin B1)	Toxins, extracted from living sources, solid, n.o.s. (Bafilomycin B1)	Toxins, extracted from living sources, solid, n.o.s. (Bafilomycin B1)	Toxins, extracted from living sources, solid, n.o.s. (Bafilomycin B1)
Transport Hazard Class & Packing Group	6.1 poison II	6.1 poison II	6.1 poison ; pg II Not Marine pollutant	6.1 poison II

When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore, packaging does not have to be labeled as Dangerous Goods / Excepted Quantity.





Section 15. *Regulatory information*

Safety, health and environmental regulations/legislation	
USA EPA / TSCA	This product is not listed on the USA EPA TSCA
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard
OSHA Hazards	Highly toxic by inhalation, Highly toxic by skin absorption
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
EU ECHA Status	CLP: listed; 635-481-1

Section 16. *Other information*

Date of revision: 26 VIII 2018

Disclaimer

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. 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. 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 specified in the text.

End of SDS