

Material Safety Data Sheet for: Beauvericin

Section 1. Product and Company Information

Company identification

Fermentek Ltd,
Yatziv 4 st, Atarot industrial zone,
Jerusalem Israel 97800.
POB 47120

Tel. +97225853953
Fax. +97225853943
Fermentek@fermentek.com
http://fermentek.com

Name: Beauvericin
cyclo(D- α -Hydroxyisovaleryl-L-N-methyl-Phe)₃
cyclo[(2R)-2-hydroxy-3-methylbutanoyl-N-methyl-L-phenylalanyl-(2R)-2-hydroxy-3-methylbutanoyl-N-methyl-L-phenylalanyl-(2R)-2-hydroxy-3-methylbutanoyl-N-methyl-L-phenylalanyl]

CAS Number: 26048-05-5

Catalog Code: BE

Section 2. Composition/Information on Ingredient

EINECS/ELINCS Not listed

Chemical Formula: C₄₅H₅₇N₃O₉

Molecular weight 784

Section 3. Hazards Identification

EMERGENCY OVERVIEW

HAZARDS IDENTIFICATION

- Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
- This substance is not classified as dangerous according to Directive 67/548/EEC.
- The product does not need to be labeled in accordance with EC directives or respective national laws.
- **Other hazards** – none

To the best of our knowledge, the toxicological properties of this compound have not been fully investigated. All uncharacterized chemicals should be treated as suspected toxins.

HMIS RATING HEALTH: 0; FLAMMABILITY: 1; REACTIVITY: 0; Personal protection A

NFPA RATING HEALTH: 0; FLAMMABILITY: 1; REACTIVITY: 0

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.

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

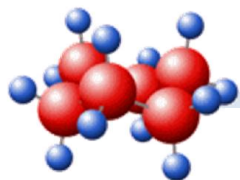
Aggravating conditions Repeated or prolonged exposure is not known to aggravate medical condition.

Section 5. Fire and Explosion Data

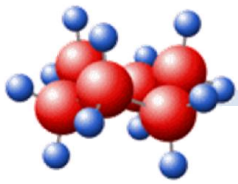
Flammability May be combustible at high temperature.

Flash Point Not Available

Combustion CO, CO₂, nitric oxides



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Products	
Extinguishing	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 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 Preferably, store at 3-8°C
Section 8 - Exposure Controls / Personal protection	
General	Exercise general industrial/laboratory hygiene practices.
Personal protective equipment	Respiratory: protection is not required. Protection from dust may be favourable. Hand: Compatible chemical-resistant gloves. Eye: Chemical safety goggles.
Section 9. Physical Data	
Appearance	Solid
Molecular Weight	784
Melting	147°C - 148°C
Solubility	insoluble in water but soluble in organic solvents.
Section 10. Stability and Reactivity Data	
Stability	This material is stable if stored as directed
Conditions to Avoid	Excess heat, strong oxidizers
Hazardous polymerization	Will not occur
Section 11 - Toxicological Information	
RTECS#:	Not available
Toxicity data	Not available
Section 12 - Ecological Data	
Ecotoxicological Information:	No data 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	
	Not Regulated For Transport Of Dangerous Goods: DOT, IATA, IMDG
Section 15- regulatory Information	
	No data available



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Section 16 - Other Information

**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.