

# Safety Data Sheet: Myriocin | Fermentek

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

### Product identifier

**Product Code:** MY  
**Product name:** Myriocin | Fermentek  
**CAS #** 35891-70-4  
**EC/ REACH Number** Not listed

### Intended uses of the substance or mixture and uses advised against

**Intended use:** **Only For Research and/or Development**  
**Uses advised against:** Not for drug,  
 Not to be used in humans or animals.

Details of the manufacturer and supplier of the safety data sheet

**Company** **FERMENTEK**  
 4 Yatziv street, POB 47120  
 Jerusalem 97800, Israel  
**Tel:** +972 2 5853953  
**Fax:** +972 2 5853943  
**eMail** fermentek@fermentek.com  
**Website:** www.fermentek.com

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

### 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

### 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.

## 2 Hazards identification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture

**GHS Classification:**  
 Acute Toxicity, Oral (Category 3)

### GHS Label elements, including precautionary statements

**Pictogram:** **Signal word:** {DANGER}

### GHS Hazard Statements

H301 Toxic if swallowed.

### GHS Precautionary Statements

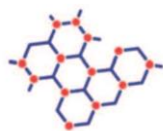
P264: Wash {hands} thoroughly after handling.  
 P301/P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P330: Rinse mouth

### Unclassified Hazards/Hazards Not Otherwise Classified

No data available

**Adverse Human Health Effects and Symptoms:** May be irritating to the mucous membranes and upper respiratory tract.  
 May be harmful by inhalation or skin absorption.  
 May cause eye, skin, or respiratory system irritation.  
 Toxic if swallowed.





## SECTION 3: Composition/information on ingredients

### Substance

Chemical Name:	Myriocin
Molecular Formula:	C <sub>21</sub> H <sub>39</sub> NO <sub>6</sub>
RTECS	JX3890000
Molecular Weight:	401.54
CAS Registry #:	35891-70-4
EC#:	Not listed
Synonyms	Thermozymocidin, ISP-I, (2S,3R,4R,6E)-2-Amino-3,4-dihydroxy-2-(hydroxymethyl)-14-oxo-6-eicosenoic acid

### Mixture

Not mixture. This product is a pure compound

## 4 First Aid Measures

### General advice

<b>Eye contact:</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact:</b>	Immediate medical attention is required. Wash off immediately with soap and plenty of .water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician.
<b>Ingestion:</b>	Wash out mouth with water provided person is conscious. 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
<b>Inhalation:</b>	Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Artificial respiration and/or oxygen may be necessary. Call a physician. Move to fresh air in case of accidental inhalation of vapors If symptoms persist, call a physician
<b>Self-protection of the first aider:</b>	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.
<b>Most important symptoms:</b>	No information available.

## 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special hazards arising from the substance or mixture

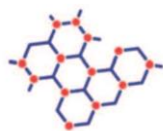
Carbon oxides, Nitrogene oxides.

#### Advice for firefighters

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

#### Further information

No data available



## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

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

### Environmental precautions

Environmental precautions 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.

## 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.

Incompatible materials: None known based on information available.

## 8. Exposure Controls/Personal Protection

No occupational exposure limits are listed for this material.

OSHA Permissible Exposure Limits No Data Available

NIOSH Recommended Exposure Limits No Data Available

ACGIH Threshold Limit Values No Data Available

### Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use fumehood for routine work.

#### Personal protective equipment

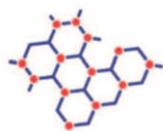
The employer/end user, prior to use of this product should perform all recommendations below are advisory in nature and a risk assessment. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

[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. Wear protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. When deemed needed according to the concentration and amount of this product, use a complete body suit

## 9. Physical and chemical properties

### Physical / chemical properties

Physical State at room temperature	Solid / powder
Color	White to Off-White powder
Melting/freezing point	170°C to 200°C

**No further safety-relevant information is available**

## 10. Stability and reactivity

<b>Reactivity:</b>	No information available.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks
<b>Incompatible materials</b>	Strong reducers and oxidizers
<b>Possibility of Hazardous Reactions</b>	None under normal processing
<b>Hazardous decomposition products:</b>	Carbon monoxide CO, Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NxOy).

## 11. Toxicological information

### Information on toxicological effects

**Acute Toxicity** LD50 (oral - mouse) 300 mg/kg

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** no data available

**Reproductive toxicity /** no data available

**Teratogenicity:**

### Potential Health Effects

**Inhalation:** Toxic if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation

**Ingestion** Toxic if swallowed

**Signs and Symptoms of Exposure** no data available

**Additional information:** RTECS: JX3890000

## 12. Ecological Information

**Eco-Toxicity** Avoid release into the environment.

**No further relevant information available**

## 13. Disposal Considerations

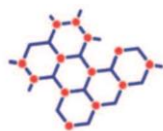
### Waste treatment methods

### Waste from residues / unused products

Dispose of in accordance with local regulations.

### Contaminated packaging

Dispose of as unused product



## 14. Transport information

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

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	UN 2811 - Toxic	UN 2811 - Toxic	UN 2811 - Toxic	UN 2811 - Toxic
UN proper shipping name	solid, organic, n.o.s. (Myriocin)	solid, organic, n.o.s. (Myriocin)	solid, organic, n.o.s. (Myriocin)	solid, organic, n.o.s. (Myriocin)
Transport Hazard Class & Packing Group	Class 6.1 pg III	Class 6.1 pg III	Class 6.1 pg III	Class 6.1 pg III

#### Small quantities:

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.

## 15. Regulatory information

### Safety, health and environmental regulations/legislation

USA EPA / TSCA:	This product is not listed on the USA EPA TSCA
EU ECHA Status:	This product is not registered with the EU ECHA
CA: DSL/NDSL Status:	This product is not listed on the Canadian DSL/NDSL

## 16: Other information

Date of revision: 25 dec 2016

### 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 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

SDS Revision Date:  
25-dec-2016 by MYGus  
Product: Myriocin | Code  
MY | CAS 35891-70-1

