



Safety Data Sheet: **Aureothricin| Fermentek**

1) **Identification of the substance/mixture and of the Company**

Product identifiers	
Product name	Aureothricin Fermentek
Product Code	AU
CAS #	574-95-8
EC/ REACH Number	N.A.

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

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

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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

Classification of the substance or mixture

GHS Classification:

Acute Toxicity, Oral	(Category 3)
Acute Toxicity, Inhalation	(Category 3)
Acute Toxicity: Skin	(Category 3)

GHS Label elements, including precautionary statements

Pictogram:  Signal word: {DANGER}

GHS Hazard Statements

H301:	H301: Toxic if swallowed.
H311:	H311: Toxic in contact with skin.
H331:	H331: Toxic if inhaled.

GHS Precautionary Statements

P261:	P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.
P264:	P264: Wash {hands} thoroughly after handling.
P280:	P280: Wear {protective gloves/clothing/eye protection/face protection}

GHS Response Phrases:

P301+310:	P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+352:	P302+352: IF ON SKIN: Wash with plenty of soap and water.
P304+340:	P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P311:	P311: Call a POISON CENTER or doctor/physician
P330:	P330: Rinse mouth
P361+364:	P361+364: Take off immediately all contaminated clothing and wash it before reuse.

Adverse Human Health Effects and Symptoms:

May be irritating to the mucous membranes and upper respiratory tract.
May cause eye, skin, or respiratory system irritation.
Toxic if inhaled, swallowed, or in contact with skin.
To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

3) Composition/information on ingredients

Substance

Substance name:	Aureothricin 100%
	CAS Registry #:574-95-8
	Acute Toxicity, Oral (Category 3)
	Acute Toxicity, Inhalation (Category 3)
	Acute Toxicity: Skin (Category 3)

Mixture

Not mixture. This product is a pure compound



4) First Aid Measures

General advice:	Immediate medical attention is required.
Eye contact:	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.
Skin Contact:	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.
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:	Immediate medical attention is required Remove to fresh air If not breathing, give artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. 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
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.

5) Fire-fighting measures

Extinguishing media

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. Sulphur oxides.
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.

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

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 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	Off White
Melting/freezing point	270°C -290°C
Boiling point	479.15 °C (lit)
Flash point	243.58 °C(lit)
Density	1.49 g/cm ³ (lit)

No further safety-relevant information is 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 decomposition products:	Carbon oxides CO _n , Nitrogen oxides (NO _n). Sulphur volatile oxides

11) Toxicological information

Information on toxicological effects

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

Acute Toxicity

Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity / Teratogenicity:	No data available
STOT-SE – single exposure (GHS):	No data available
STOT-RE – repeated exposure (GHS):	No data available
Aspiration hazard:	No data available

Potential Health Effects

Inhalation:	No data available
Skin	No data available
Eyes:	No data available
Ingestion	No data available
Signs and Symptoms of Exposure	No information available.
Additional information:	No information available.

12) Ecological Information

Eco-Toxicity	No further relevant information available
Other adverse effects	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	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport Hazard Class & Packing Group	Not dangerous goods Not regulated	Not dangerous goods Not regulated	Not dangerous goods Not regulated	Not dangerous goods Not regulated

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
US Federal Regulations SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
SARA 311/312 Hazard Categories	
Acute health hazard	No
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

16) Other information

Date of revision: 27 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 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

