

## Safety Data Sheet: Ascomycin

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

#### 1.1. Product identifiers

Product name	<a href="#">Ascomycin</a>
Product Code	AS
CAS	<a href="#">104987-12-4</a>
EC Number #	<a href="#">600-627-5</a>
Synonyms	<ul style="list-style-type: none"> <li>• FR 900520</li> <li>• FK520</li> <li>• Immunomycin</li> </ul>
Formula	$C_{43}H_{69}NO_{12}$
RTECS	<a href="#">KD4185000</a>
Molecular weight	792.01
Substance? Mixture?	Substance

#### 1.2. Intended uses of the substance and uses advised against

1.2.1. Intended use:	<ul style="list-style-type: none"> <li>• Research and development.</li> <li>• Laboratory reagent.</li> <li>• Reference material.</li> <li>• Analytical standard</li> <li>• Starting material for manufacturing of chemicals</li> </ul>
1.2.2. Uses advised against:	<ul style="list-style-type: none"> <li>• Not a drug,</li> <li>• Not food additive</li> <li>• Not to be used in humans or animals.</li> </ul>

#### 1.3. Contact

<b>Details of the Manufacturer</b> <b>FERMENTEK Ltd</b> 4 Yatziv street, POB 4712 Jerusalem 97800, Israel	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: <a href="mailto:fermentek@fermentek.com">fermentek@fermentek.com</a> Website: <a href="http://www.fermentek.com">www.fermentek.com</a>
--	--

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

#### 1.3.1. 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*

#### 1.4. Date of revision

*Tuesday, 18 October, 2022*

## Safety Data Sheet: Ascomycin

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

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

*This item is not a hazardous substance and does not contain hazardous ingredients, substances with European Community workplace exposure limits or substances of very high concern (SVHC) above their respective disclosure limits*

#### 2.2. Other hazards

*This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher*

### 3. Composition/information on ingredients

Substance	
Substance name:	Ascomycin
Concentration	100%
	CAS Registry #: 104987-12-4 EC#:600-627-5
	Molecular Formula: $C_{43}H_{69}NO_{12}$ Molecular Weight: 792.01
Classification	Not classifiable
Mixture?	Substance

### 4. First Aid Measures

#### 4.1. Description of First Aid Measures

General advice:	Show this safety data sheet to the doctor in attendance.
Eye contact:	After eye contact: rinse out with plenty of water. Remove contact lenses.2
Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible
Inhalation:	Fresh air

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

Skin Contact:	No data available
Eye contact:	No data available

## Safety Data Sheet: Ascomycin

<b>Ingestion:</b>	<i>No data available</i>
<b>Inhalation:</b>	<i>No data available</i>

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

...
-----

## 5. Fire-fighting measures

### 5.1. Extinguishing media

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

### 5.2. Other information

<b>Hazardous combustion products</b>	<i>Carbon oxides, Nitrous oxides</i>
<b>Advice for firefighters</b>	<i>Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.</i>

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment, and emergency procedures

<b>Personal precautions</b>	<i>Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.</i>
-----------------------------	--

### 6.2. Environmental precautions

<b>Environmental precautions</b>	<i>No special environmental precautions required.</i>
----------------------------------	---

### 6.3. Methods and material for containment and cleaning up

	<i>Sweep up and shovel. Keep in suitable, closed containers for disposal.</i>
--	---

## 7. Handling and storage

### 7.1. Precautions for safe handling

<b>Advice on safe handling:</b>	<i>Provide appropriate exhaust ventilation at places where dust is formed 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.</i>
---------------------------------	--

## Safety Data Sheet: Ascomycin

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Conditions:</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Store at -20 °C.
<b>Incompatible materials:</b>	None known based on information available.

## 8. Exposure Controls/Personal Protection

### 8.1. Control parameters

<b>Control parameters</b>	Components with workplace control parameters
---------------------------	--

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	General industrial hygiene practice 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.
---	--

### 8.3. Personal protective equipment

<b>[PPE=Personal Protection Equipment]</b>	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.
<b>PPE: Respiratory protection</b>	Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
<b>PPE: Hand Protection:</b>	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
<b>PPE: Eye Protection:</b>	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)

## Safety Data Sheet: Ascomycin

<b>PPE: Skin and Body Protection:</b>	<i>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 must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.</i>
---------------------------------------	---

### 9. Physical and chemical properties

#### 9.1. Physical / chemical properties

<b>Physical State at room temperature</b>	<i>Crystalline Powder</i>
<b>Color</b>	<i>Light yellow</i>
<b>Odor</b>	<i>Odorless</i>

*No further safety relevant data are available*

### 10. Stability and reactivity

<b>Reactivity:</b>	<i>No information available.</i>
<b>Chemical stability:</b>	<i>Stable under normal conditions.</i>
<b>Conditions to avoid</b>	<i>Heat, flames and sparks. Sunlight.</i>
<b>Incompatible materials</b>	<i>Strong reducers and oxidizers</i>
<b>Possibility of Hazardous Reactions</b>	<i>None under normal processing</i>
<b>Hazardous decomposition products</b>	<i>Carbon oxides</i>

### 11. Toxicological information

#### 11.1. Information on toxicological effects

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

<b>11.1.1. Acute Toxicity</b>	<i>no data available</i>
<b>Skin corrosion/irritation:</b>	<i>...No data available</i>
<b>Serious eye damage/eye irritation:</b>	<i>...No data available</i>
<b>Respiratory or skin sensitization/corrosion:</b>	<i>...No data available</i>
<b>11.1.2. CMR hazards</b>	
<b>Carcinogenicity</b>	<i>Group 3: Not classified as human carcinogen IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</i>
<b>Germ cell mutagenicity:</b>	<i>no data available</i>

## Safety Data Sheet: Ascomycin

Reproductive toxicity / Teratogenicity:	no data available
11.1.3. Other	
STOT-SE – single exposure (GHS):	no data available
STOT-SE – repeated exposure (GHS):	no data available
Aspiration hazard:	no data available

### 11.2. Additional information

RTECS number	<a href="#">KD4185000</a> 
--------------	---

## 12. Ecological Information

Eco-Toxicity	No data available
Other adverse effects	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 13. Disposal Considerations

### 13.1. 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

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

	US DOT	IATA	IMDG	ADR/RID
UN Number UN proper shipping name	Not hazardous for transport	Not hazardous for transport	Not hazardous for transport	Not hazardous for transport
Transport Hazard Class & Packing Group	Not hazardous for transport	Not hazardous for transport	Not hazardous for transport	Not hazardous for transport

### 14.2. Additional information

			Not marine pollutant	
--	--	--	----------------------	--

## 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)
----------------	---

## Safety Data Sheet: Ascomycin

<b>EU ECHA Status</b>	<p>ANNEX III: List...ed</p> <p>REACH: Prereg...istered</p> <p>REACH: This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57)</p>
<b>CA: DSL/NDSL Status</b>	<p>This product is ..... listed on the Canadian DSL/NDSL</p>

### 15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## 16. Other information

### 16.1. Date of revision:

- Tuesday, 18 October, 2022 10:10

### 16.2. Department issuing this SDS

- Quality systems and regulatory affairs

### 16.3. General 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.

### 16.4. The users'/employers' responsibility:

- A risk assessment should be performed by the employer/user prior to use of this product.
- All recommendations included in this document, are advisory in nature.
- The type of protective equipment must be selected based on the amount and concentration of all dangerous materials being used in the workplace.

### 16.5. Abbreviations and acronyms:

Acute Tox.: Acute toxicity

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DOT: US Department of Transportation

EINECS: European Inventory of Existing Commercial Chemical Substances

Eye Dam.: Serious eye damage/eye irritation

HMIS: Hazardous Materials Identification System (USA)

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, Median

LD50: Lethal dose, Median

NFPA: National Fire Protection Association (USA)

## Safety Data Sheet: Ascomycin

*NIOSH: National Institute for Occupational Safety*

*OSHA: Occupational Safety & Health*

*PBT: Persistent, Bioaccumulative and Toxic*

*PEL: Permissible Exposure Limit*

*REL: Recommended Exposure Limit*

*Repr.: Reproductive toxicity*

*Skin Irrit: Skin corrosion/irritation*

*STOT RE: Specific target organ toxicity (repeated exposure)*

*TLV: Threshold Limit Value*

*vPvB: very Persistent and very Bioaccumulative*

### 16.6. APPENDIX: Acute toxicity hazard categories and (approximate) LD50/LC50 values defining the respective categories.

(Adapted from Safety Guides GHS05- -classification criteria for substances)

Exposure Route	Category 1	Category 2	Category 3	Category 4
Oral (mg/kg)	5	50	300	2000
Dermal (mg/kg)	50	200	1000	2000
Gases (ppm) see: Note a	100	500	2500	5000
Vapours (mg/l) see: Note a Note b Note c	0.5	2.0	10	20
Dusts and Mists (mg/l) see: Note a Note d	0.05	0.5	1.0	5

### 16.7. APPENDIX: Excepted Quantity shipment codes explanation

According to Section 2.6 in IATA, Section 3.5 in the IMDG.

Code	Maximum Quantity per inner package	Maximum Quantity per outer package
E1	30g / 30ml	1Kg / 1L
E2	30g / 30ml	500g / 500ml
E3	30g / 30ml	300g / 300ml
E4	1g / 1ml	500g / 500ml



## Safety Data Sheet: Ascomycin

E5	1g / 1ml	300g / 300ml
----	----------	--------------

### 16.8. Copyright statement



*Fermentek\_Ltd does not claim © copyright on this document.*

*Fermentek\_Ltd believes that no one can claim copyright on an MSDS.*

*This sort of document is but a compendium of common knowledge, published facts, and even the writing style is standard.*

### 16.9. End of SDS