


*Safety Data Sheet: Altenuene | Fermentek*

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

### 1.1 Product identifier

CAS # RN 889101-41-1  
 Product name: Altenuene | Fermentek  
 Product Code ALT

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended use:**

Laboratory chemicals,  
 Manufacture of substances,  
 Research.

**Uses advised against**

Not for drug,  
 Not to be used in humans or animals.  
 Not food additive

### 1.3 Details of the manufacturer and supplier of the safety data sheet

**Company: FERMENTEK ltd**

4 Yatziv street  
 POB 47120  
 Jerusalem 97800,  
 Israel

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

Tel: +972 2 5853953  
 Fax: +972 2 5853943  
 eMail fermentek@fermentek.com  
 Website: www.fermentek.com

### 1.4 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

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

### 1.5 REACH

## 2 Hazards identification

WHMIS Classification (Canada): Not WHMIS controlled.


### 2.1 Classification of the substance or mixture

**GHS Hazards Classification according to Regulation (EC) No 1272/2008 and US OSHA 1910.1200)**

**Acute Toxicity** Oral (Category 4)

**Classification according to EU Directives 67/548/EEC**

Harmful if swallowed.

Hazard Statement	Hazard code	Pictogram
Harmful	Xn	

### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

This substance does not need to be labeled according to EC directives.

**Risk Codes and Phrases:** R22 Harmful if swallowed.

**Safety Precaution Codes, Phrases:** S46: If swallowed, seek medical advice immediately and show this container or label.



## GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)

**Signal Word**

**GHS Hazard Statements**

**GHS Precautionary Statements**

**Warning**

H302 Harmful if swallowed

P264: Wash hands thoroughly after handling

P301/P312:: IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell



## SECTION 3: Composition/information on ingredients

### 3.1 Substance

This product is a pure compound.

Product Name

Altenuene | Fermentek

concentration by weight: <100%

Synonyms: (2R,3R,4aR)-2,3,4,4a-Tetrahydro-2,3,7-trihydroxy-9-methoxy-4a-methyl-6H-dibenzo[b,d]pyran-6-one;

Formula:

C<sub>15</sub>H<sub>16</sub>O<sub>6</sub>

Molecular Weight:

292.28

CAS-No. :

889101-41-1

Chemical characterization:

Natural product

### 3.2 Mixtures

Not a mixture

## 4. First Aid Measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available



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## 5. Fire-fighting measures

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### 5.1 Extinguishing media

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance:** Carbon oxides

**5.3 Advice for firefighters** Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information:** No data available

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## 6 Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Evacuate personnel to safe areas.  
For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains

### 6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal. (see section 13)

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## 7. Handling and storage

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### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Avoid exposure - obtain special instructions before use.  
Provide appropriate exhaust ventilation at places where dust is formed.  
Normal measures for preventive fire protection.

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

Store in cool place.  
Keep container tightly closed in a dry and well-ventilated place.  
The product is light sensitive.

### 7.3 Specific end uses

Specific uses: See section 1.2  
Exposure scenario: No information available.

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## 8. Exposure Controls/Personal Protection

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### 8.2 Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.



## Personal protective equipment

### Eye/face protection

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).

### Skin protection

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 have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of intended use by our users. It should remain under the responsibility of the users to select the protective equipment according to the nature of the intended use(s)

### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### 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).

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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## 9. Physical and chemical properties

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### Physical / chemical properties

Physical State at room temperature	Solid
Color	Off-White
Further information which is relevant to classification	None available

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## 10. Stability and reactivity

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<b>Reactivity:</b>	No information available.
<b>Chemical stability:</b>	Stable under normal conditions. May be light-sensitive.
<b>Precautionary Statements:</b>	None under normal processing.
<b>Conditions to avoid</b>	Heat, flames and sparks
<b>Incompatible materials</b>	Strong reducers and oxidizers
<b>Hazardous decomposition products:</b>	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).



## 11. Toxicological information

### 11.1 Information on toxicological effects

**IARC:**

This substance is not identified as human carcinogen.

This substance is not known to be a Mutagen, Teratogen, and/or Genotoxic.

**Potential Health Effects and Routes of Exposure**

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin</b>	May cause skin irritation May be harmful if absorbed through skin.
<b>Eyes</b>	May cause eye irritation.
<b>Additional information:</b>	No further information is available

To the best of our knowledge, the toxicological, chemical and physical properties of this substance have not been investigated sufficiently.

## 12. Ecological Information

12.1 Toxicity:	N.A.
12.2 Persistence and Degradability	N.A.
12.3 Bioaccumulative Potential	N.A.
12.4 Mobility in Soil	N.A.
12.5 Results of PBT, vPvB Assessment	No information available, as PBT/vPvB assessment has not carried out;
12.6 Other Adverse Effects	No further relevant information available.

## 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:** N.P.

**14.2 UN proper shipping name**

US DOT:	Not dangerous goods
ADR/RID:	Not dangerous goods
IMDG:	Not dangerous goods
IATA:	Not dangerous goods





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## 15. Regulatory information

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### 15.1 Safety, health and environmental regulations/legislation

DSL/NDSL (Canada) Not listed.  
TSCA (USA) This product is not listed on the US EPA TSCA.  
ECHA(EU) Not registered

### 15.2 Chemical Safety Assessment

N.A.

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## 16: Other information

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### 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 Product name Alternuene  
Date: 15.01.2015  
By: Alon