

Safety Data Sheet: α -Zearalanol | Fermentek

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

1.1 Product identifier

Product Code: **ZALa**

Product name: **α -Zearalanol | Fermentek**

CAS number: **26538-44-3**

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**
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 primary manufacturer of the product, and the supplier of the safety data sheet

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

1.5 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

2.1 Classification of the substance or mixture

WHMIS Classification (Canada)

D2A Very Toxic Material – teratogen, reproductive toxin

D2B Toxic Material – irritant of skin, respiratory system

Classification and Label Elements According to GHS Hazards

(EU Regulation 1272/2008 and US OSHA 1910.1200)

Reproductive Toxicity (Category 1B)
Skin Irritation (Category 2)
Serious Eye Irritation (Category 2)
STOT (SE) : Respiratory Tract Irritation (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

May cause harm to the unborn child. Irritating to eyes, respiratory system, skin.

EU Risk and Safety Statements (According to EU Regulation 67/548/EEC)

Hazard Statement: Toxic
Hazard Code: T

Risk Phrases

R61 May cause harm to the unborn child.
R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Precaution Codes and Phrases

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S53 Avoid exposure - obtain special instruction before use

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 and US OSHA 1910.1200)

Signal Word Danger

GHS Hazard Statements

H360 May damage fertility or the unborn child.
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation.

GHS Precautionary Statements

P201 Obtain special instructions before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



SECTION 3: Composition/information on ingredients

3.1 Substance

Synonyms:	α-Zearalanol; α-Zeranol;
Formula:	C ₁₈ H ₂₆ O ₅
Molecular Weight:	322.4
CAS-No. :	26538-44-3
EINECS-No.:	247-769-0
Chemical characterization:	natural product; extracted from plant, or obtained chemically by modifying another natural product

3.2 Mixtures

Not a mixture. This product is a pure compound.

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. Seek 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. Seek a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data found

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

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 or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

6 Accidental release measures

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)

7. Handling and storage

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.

8. Exposure Controls/Personal Protection

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.

9. Physical and chemical properties

Physical / chemical properties

Physical State at room temperature	Solid
Melting Point	182°C -184°C

No further information which is relevant to classification, is available.

10. Stability and reactivity

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





11. Toxicological information

Information on Toxicological Effects

Acute Toxicity	No data available
Skin Corrosion/Irritation	Moderate skin irritant.
Serious Eye Damage/Irritation	Moderate eye irritant.
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No indication of carcinogenicity to humans (not listed by IARC). No further data available
Reproductive Toxicity/Teratogenicity	Possible human reproductive toxin/teratogen. Several laboratory studies have shown structurally similar molecules exhibit reproductive toxicity/teratogenicity in animal models.
STOT - Single Exposure	Moderate respiratory tract irritation.
STOT - Repeated Exposure	No data available
Aspiration Hazard	No data available

Potential Health Effects and Routes of Exposure

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.
Signs and Symptoms of Exposure	No data available

Additional Information RTECS: DM2520000

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

12. Ecological Information

NO RELEVANT INFORMATION IS AVAILABLE.

PBT/vPvB assessment has not carried out for this product;

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

Not regulated material.

14.1 UN number: Not applicable.

14.2 UN proper shipping name

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

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the

No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16: Other information

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-----

