Safety Data Sheet: Oligomycin-B | Fermentek

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

1.1 Product identifier

Product Code: **OLB**

Product name: **Oligomycin-B | Fermentek**

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 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

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302 (Harmful if swallowed)

2.2 GHS Label elements, including precautionary / hazard statements

Pictograms	
Signal word	Warning
Hazard statement(s)	
H302	Harmful if swallowed.
Precautionary statement(s)	
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P330	Rinse mouth.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Adverse Human Health Effecte and Symptoms

Harmful if swallowed.
May be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption.
May cause eye, skin, or respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

SECTION 3: Composition/information on ingredients

3.1 Substance

	THIS PRODUCT IS A PURE COMPOUND.
Name:	Oligomycin B
Synonyms:	28-oxo- Oligomycin A
CAS-No.	579-13-5
EC	209-437-3
Chemical characterization:	Natural product; extracted from bacterial biomass
RTECS:	RK3330000
	Xn; R22 (Harmful if swallowed)
	Acute Toxicity oral, category 4;
	H302 (Harmful if swallowed)

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.Move out of dangerous area.
If inhaled
If breathed in, 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

5. Fire-fighting measures

5.1 Extinguishing media

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

UNsuitable extinguishing media
Solid water stream may be unefficient

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.

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. : -20 °C
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
Water solubility	unsoluble

No further relevant information is available

10. Stability and reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Precautionary Statements:	None under normal processing.
Conditions to avoid	Heat, flames and sparks
Incompatible materials	Strong reducers and exidizers
Hazardous decomposition products:	Carbon monoxide (CO). Carbon dioxide (CO2).

11. Toxicological information

11.1 Information on toxicological effects based on RTECS record RK3330000

Quantitative toxicity data:

Rodent (Mouse) - Intraperitoneal LD50 = 2900 µg/kg.

IARC:

This substance is not identified as human carcinogen.
This substance is not a known to be a Mutagene, Teratogene, and/or Genetoxic.

Additional information:

Based on experiments in mamals, this compound may be fatal if enters bloodstream.

To the best of our knowledge, the toxicological, chemical and physical properties of this substance have not been investigated sufficiently. Investigated as a mutagen, reproductive effector, and tumorigen

12. Ecological Information

Toxicity

Aquatic toxicity:	No further relevant information available.
Persistence and degradability:	No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.

Results of PBT and vPvB assessment

PBT:	No further relevant information available.
vPvB:	No further relevant information available.
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/national regulations.

Contaminated packaging
Dispose of as unused product

14. Transport information

14.1 UN number:

none

14.2 UN proper shipping name

US DOT:	Not dangerous goods
IATA:	Not dangerous goods
IMDG:	Not dangerous goods

15. Regulatory information

15.1 SARA

S. 302 (EHS) S. 304 RQ S. 313
Not listed

15.2 European Community regulations

European Community Risk and Safety Phrases:

R22	Harmful if swallowed.
S24/25	Avoid contact with skin and eyes
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

16: Other information

Date of revision: 06.06.2013

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.

Revision: 6-oct-2016 MGur

End of SDS----------