



Safety Data Sheet: Fumonisin B2 | Fermentek

1. Identification of the substance and of the Company

1.1 Product identifier

Product Code: **FB2-**
Product name: **Fumonisin B2 | Fermentek**
CAS RN: **116355-84-1**

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

Classification of the substance

Classification according to Regulation (EC) No 1272/2008

GHS06 skull and crossbones
Acute Tox. 3
Acute Tox. 3
Acute Tox. 2



H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H330 Fatal if inhaled.

GHS08 health hazard
Carc. 2



H351 Suspected of causing cancer.





GHS07

Xi; Irritant

R36/37/38:

Irritating to eyes, respiratory system and skin.

T; Toxic

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

Xn; Harmful

R40: Limited evidence of a carcinogenic effect.

Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

Information concerning particular hazards for human and environment: Not applicable.

Label elements

Labelling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS06

GHS08

Signal word: Danger

Hazard statements:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H330 Fatal if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P320 Specific treatment is urgent (see on this label).

P361 Remove/Take off immediately all contaminated clothing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

SECTION 3: Composition/information on ingredients

3.1 Substance

Name: Fumonisin B2

Formula: C₃₄H₅₉NO₁₄

Molecular Weight: 706

CAS-No. : 116355-84-1

This product is deemed to be a pure compound

Chemical characterization: Natural product; extracted from fungal biomass

Concentration : <100%

Molecular Weight 705.83

Formula C₃₄H₅₉NO₁₄





Chemical Name weight-%	EC No CAS No RTECS	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS
Fumonisin B2 <100%	EC: 601-424-4 CAS: 116355-84-1 RTECS : TZ8335000	Xi;R36/37/38 T+;R26/27/28 Carc.Cat.3; R40 <i>[Limited evidence of a carcinogenic effect]</i>	Acute Tox. 2 (H300) Acute Tox. 1 (H310) Acute Tox. 1 (H330) Carc. 2 (H351) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	Acute Tox.(O) 2: H300 Acute Tox.(D) 2: H310 Skin Corr. 2: H315 Eye Damage 2: H319 Acute Tox.(I) 1: H330 STOT (SE) 3: H335 H336 Carcinogen 2: H351

R40 - Limited evidence of a carcinogenic effect
R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
H300 - Fatal if swallowed
H310 - Fatal in contact with skin
H330 - Fatal if inhaled
H351 - Suspected of causing cancer if inhaled
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

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

No data available

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

Carbon oxides
Nitrogen 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 cold place. Recommended storage temperature: -20 °C

Keep container tightly closed in a dry and well-ventilated place.

The product is light sensitive, slightly hygroscopic and water 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

9.1 Physical / chemical properties

Physical State at room temperature	Solid / Powder
Color	Beige

9.2 Other safety information

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. May be moisture 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) , Nitrogen oxides (NO _x).



11. Toxicological information

11.1 Information on toxicological effects based on RTECS record T28335000

Quantitative toxicity data:

No LD50 data have been published for this compound.

Acute toxicity: no data available.

Carcinogenicity

This product has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

There is limited evidence of carcinogenicity in animal studies.

Additional information:

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

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

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/vPvB assessment not available as chemical safety assessment not required/not conducted

PBT: This substance is not considered to be persistent, bioaccumulating or toxic.

vPvB: This substance is not considered to be very persistent, nor very bioaccumulating.

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

ADR/RID ; IMDG; IATA 2811

14.2 UN proper shipping name

ADR/RID ; IMDG; IATA Toxic solid, organic, n.o.s. (Fumonisin B2)

14.3 Hazard class / Packaging group

ADR/RID ; IMDG; IATA class 6.1 PG I

14.4 Environmental hazards

ADR/RID: none IATA: none IMDG: Marine pollutant: no

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.

