

Safety Data Sheet: **Fumonisin B3**

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

| Product identifiers | | | |
|--|---------------------|--|-------------------|
| Product name | Fumonisin B3 | Formula | C34H59NO14 |
| Product Code | FB3 | RTECS | TZ8340000 |
| CAS # | 1422359-85-0 | Molecular weight | 705.80 |
| EC Number # | 817-884-6 | | |
| Intended uses of the substance or mixture and uses advised against | | | |
| Intended use | | Uses advised against: | |
| For Research and/or Development For manufacturing of chemicals | | Not for drug, Not to be used in humans or animals. Not food additive | |
| Details of the supplier of the safety data sheet | | Emergency Telephone number | |
| FERMENTEK Ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel | | 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 | |
| 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 | | | |
| Reach: No data available | | | |

Section 2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] and US OSHA 1910.1200)

Not a hazardous substance by GHS.

GHS Label elements, including precautionary statements

Labeling according to Regulation (EC) No 1272/2008 [CLP]

Pictogram: { None } Signal word: {None}

Hazard statements

Precautionary statements:

Section 3. Composition/information on ingredients

| Substance | |
|-----------------|--|
| Substance name: | Fumonisin B3 |
| | CAS Registry #: 1422359-85-0 EC#: 817-884-6 |
| | Molecular Formula: C34H59NO14 Molecular weight 705.80 |
| | Concentration: ≤ 100% |
| Mixture | Not mixture. |

Section 4. *First Aid Measures*

Description of First Aid Measures

| | |
|--|--|
| General advice: | If medical attention is wanted, Show this safety data sheet to the doctor. |
| Eye contact: | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| Skin Contact: | Remove contaminated clothing and shoes. Wash off with soap and plenty of water. Consult a physician. |
| Ingestion: | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital. |
| Inhalation: | Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention |
| Self-protection of the first aider: | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. |
| Note to physicians | No information available |

Section 5. *Fire-fighting measures*

Extinguishing media

| | |
|---------------------------------------|---|
| Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable extinguishing media | None |
| Hazardous combustion products | Carbon oxides. Nitrous oxides |
| Advice for firefighters | Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit. |

Section 6. *Accidental release measures*

Personal precautions, protective equipment and emergency procedures

Personal precautions
 Do not act without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions
 Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment:
 Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up:
 Cover liquid spill with sand, earth or other non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, and vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.

Section 7. *Handling and storage*

Precautions for safe handling

Advice on safe handling:
 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. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.
Keep out of the reach of children.
Store at -20 °C, Protect from sunlight. Protect from moisture

Incompatible materials: None known based on information available.

Section 8. Exposure Controls/Personal Protection

Control Parameters

No occupational exposure limits are listed for this material.

- OSHA Permissible Exposure Limits No Data Available
- NIOSH Recommended Exposure Limits No Data Available
- ACGIH Threshold Limit Values No Data Available

Exposure controls

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Appropriate engineering controls

Engineering Controls 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.

Personal protective equipment

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.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

[PPE=Personal Protection Equipment]

PPE Eye/face protection

Wear safety glasses with side shields (or goggles).

PPE Skin and Body Protection

Wear protective gloves and protective clothing.

PPE Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.

Respiratory protection must be provided in accordance with current local regulations.

Section 9. Physical and chemical properties

Physical / chemical properties

| | |
|---|----------------------|
| Physical State at room temperature | White Solid / powder |
| Solubility | |
| Melting/freezing point | Not available |
| No further safety relevant data are available | |

Section 10. Stability and reactivity

Reactivity: No information available.

Chemical stability: Stable under normal conditions.

Conditions to avoid Heat, flames and sparks. Direct Sunlight.

Incompatible materials Strong reducers and oxidizers

Possibility of Hazardous Reactions None under normal processing

Hazardous decomposition products: Carbon oxides, Nitrogen oxides

Section 11. Toxicological information

Information on toxicological effects

Acute Toxicity

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

Comment: There are no experimental quantitative data regarding the toxicity of **Fumonisin B3** available. No information is available of RTECS as at June 2017. All data found in the literature, are Predicted, or Calculated. However, a single publication hinted that **Fumonisin B3** may be as feto-toxic as Fumonisin B2 when injected into fertilized eggs of a bird.

| | |
|------------------------------------|--|
| Ingestion | No data available |
| Inhalation | No data available |
| Serious eye damage/eye irritation: | No data available |
| Skin corrosion/irritation: | No data available |
| Respiratory or skin sensitization: | No data available |
| Symptoms | Inhalation: Ingestion: |
| Germ cell mutagenicity: | No data available |
| Carcinogenicity: | Evidence of a carcinogenic effect in a structurally related compound. A structurally related compound has been designated by the IARC as Group 2B: Possibly carcinogenic to humans. |
| Reproductive toxicity | No data available |
| Teratogenicity | No data available |
| Aspiration hazard: | No data available |
| Additional information: | RTECS: TZ8340000 |

Section 12. Ecological Information

Eco-Toxicity No further relevant information available
 Other adverse effects No further relevant information available.

Section 13. Disposal Considerations

| Waste treatment methods | |
|---------------------------------------|---|
| Waste from residues / unused products | Dispose of in accordance with local regulations |
| Contaminated packaging | Dispose of as unused product |

Section 14. Transport information

UN number, Proper Shipping Name, Transport Hazard Class, packing group

| | US DOT | ADR/RID: | IMDG: | IATA |
|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| UN Number | <i>Not controlled.</i> | <i>Not controlled.</i> | <i>Not controlled.</i> | <i>Not controlled.</i> |
| UN proper shipping name | (Fumonisin B3) | (Fumonisin B3) | (Fumonisin B3) | (Fumonisin B3) |
| Transport Hazard Class & Packing Group | <i>Not dangerous for transport</i> | <i>Not dangerous for transport</i> | <i>Not dangerous for transport</i> | <i>Not dangerous for transport</i> |
| | | | <i>Not marine pollutant</i> | |

Section 15. *Regulatory information*

Safety, health and environmental regulations/legislation

| | |
|---------------------|---|
| USA EPA / TSCA | This product is not listed on the USA EPA TSCA / "For research" |
| EU ECHA Status | This product is registered / C&L Inventory / under # 817-884-6 |
| CA: DSL/NDSL Status | This product is not listed on the Canadian DSL/NDSL |

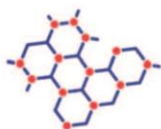
Section 16. *Other information*

Date of revision: *Monday, 9 March, 2020*

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.

End of SDS



Attachment: Data, glossary etc

Filename *H:\installed SDS\SDS Fumonisin B3 v 12-19.docx*
Savedate *09-Mar-20 09:10:00*
CAS *1422359-85-0*
Prodcod *FB3*
Prodname *Fumonisin B3*
EC *817-884-6*
MW *705.80*
RTECS *TZ8340000*
LD50 *No data available*
REACH *No data available*
Formula *C₃₄H₅₉NO₁₄*
MP (Melting point) *Not available*
Cancer *Evidence of a carcinogenic effect in a structurally related compound.
A structurally related compound has been designated by the IARC as Group 2B: Possibly carcinogenic to humans.*
Pictogram

