


## Safety Data Sheet: *Standard solution of Fumonisin B3 in AcetoNitrile:water mixture*

### Section 1. Identification of the mixture and of the Company

Product identifiers	
Product name	<b>Standard solution of Fumonisin B3 in AcetoNitrile:water mixture</b>
Toxin	<b>Fumonisin B3 CAS RN 1422359-85-0</b>
Solvent	<b>Acetonitrile 50% in water EC 200-835-2</b>
Product Code	<b>SSFB3</b>
Brand	<b>FermaSol</b> 
Substance or mixture?	<b>MIXTURE</b>

#### Intended uses of the substance or mixture and uses advised against

Intended use	Uses advised against:
<b>For use as a laboratory reagent / reference material, only by qualified specialists.</b>	Not for drug, Not to be used in humans or animals. Not food additive

#### Details of the supplier of the safety data sheet

**FERMENTEK Ltd**  
 4 Yatziv street, POB 47120  
 Jerusalem 97800,  
 Israel  
 Tel: +972 2 5853953  
 Fax: +972 2 5853943  
 eMail: fermentek@fermentek.com  
 Website: www.fermentek.com

#### 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

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

#### 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.

### Section 2. Hazards identification

#### Comment

This product is a solution of a negligible amount of toxin, in AcetoNitrile, or Acetonitrile:water 1:1 mixture. Because the Toxin is present in miniscule concentration, it doesn't need to be regarded. All reportable hazards in this document are related to the Solvent, AcetoNitrile, or Acetonitrile:water 1:1 mixture.

#### Classification of the mixture according to regulation (EC) 1272/2008 [GHS]

- Flammable liquids (Category 2), H225 ; Highly flammable liquid and vapour
- Eye irritation (Category 2), H319 ; Causes serious eye irritation.

#### Label elements

Pictogram: {   } Signal word: { **Danger** }

#### Hazard statements

- H225 ; Highly flammable liquid and vapour
- H302 Harmful if swallowed.

- H312 Harmful in contact with skin.
- H319 ; Causes serious eye irritation.
- H332 Harmful if inhaled.

**precautionary statement(s)**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P370 + P378 in case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P403 + P235 Store in a well-ventilated place. Keep cool.

### Section 3. Composition/information on ingredients

<b>Mixture</b>	YES		
Ingredient name:	<i>Acetonitrile</i>	<i>Water</i>	<i>Fumonisin B3</i>
CAS Registry #:	<i>75-05-8</i>		<i>1422359-85-0</i>
EC#:	<i>200-835-2</i>		<i>817-884-6</i>
Molecular Formula:	<i>CNCH3</i>	<i>H2O</i>	<i>C34H59NO14</i>
Concentration:	<i>50% V:V</i>	<i>50% V:V</i>	<i>Negligible (Less than 0.1%)</i>

### Section 4. First Aid Measures

**Description of First Aid Measures**

<b>General advice:</b>	Consult a physician if necessary. Show this safety data sheet to the doctor in attendance
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing or breathing is difficult, give artificial respiration. Consult a physician.
<b>Skin Contact:</b>	Wash off with soap and water while removing all contaminated clothes and shoes. Take victim immediately to hospital. Consult a physician.
<b>Eye contact:</b>	Flush with plenty of water.
<b>Ingestion:</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water.

### Section 5. Fire-fighting measures

**Extinguishing media**

<b>Suitable extinguishing media</b>	Dry powder ; Dry sand.
<b>Unsuitable extinguishing media</b>	Do NOT use water jet.
<b>Hazardous combustion products</b>	Carbon oxides; Nitrogen oxides
<b>Advice for firefighters</b>	As in any fire, wear self-contained breathing apparatus for fire fighting. Wear protective suit.
<b>Further information</b>	Use water spray to cool unopened containers

### Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
<b>For emergency responders</b>	Use personal protection as recommended in Section 8

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods and material for containment and cleaning up</b>	
<b>Methods for containment:</b>	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.
<b>Methods for cleaning up:</b>	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

<b>Advice on safe handling:</b>	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. Keep away from sources of ignition. Take measures to prevent the build up of electrostatic charge.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions:</b>	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
<b>Incompatible materials:</b>	None known based on information available.

## Section 8. Exposure Controls/Personal Protection

No occupational exposure limits are listed for this material.

<b>Exposure Limits:</b>	None known, based on information available. OSHA Permissible Exposure Limits      No Data Available NIOSH Recommended Exposure Limits      No Data Available ACGIH Threshold Limit Values      No Data Available
<b>Exposure controls</b>	
<b>Engineering Controls</b>	Showers, Eyewash stations, Ventilation systems
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>[PPE=Personal Protection Equipment]</b>	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
<b>PPE Eye/face protection</b>	Wear safety glasses with side shields (or goggles). Optional face mask.
<b>PPE Skin and Body Protection</b>	Wear protective gloves and protective clothing.
<b>PPE Respiratory Protection</b>	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	Clear colorless liquid
Color	colorless
Melting/freezing point	n.a.
boiling point	76 °C
Water solubility	Missible at all concentrations

No further safety relevant data are available

## Section 10. Stability and reactivity

Melting/freezing point	
Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Sunlight.
Incompatible materials	Strong reducers and oxidizers
Possibility of Hazardous Reactions	None under normal processing
Hazardous decomposition products:	Carbon oxides.Nitrogen oxides, Cyanide.

## Section 11. Toxicological information

### Information on toxicological effects

**Attention: The data given here refer to the Acetonitrile ingredient.**

Acute Toxicity	
Ingestion	Oral, Mouse, LD50 = 617 mg/kg Oral, rat: LD50 = 2460 mg/kg
Inhalation	Inhalation mouse LC50 = 2693 ppm/1H Inhalation, rat: LC50 = 7551 ppm/8H
Serious eye damage/eye irritation:	Draize test, rabbit, eye: 100 uL/24H Moderate
Skin corrosion/irritation:	Skin, rabbit: LD50 = >2 gm/kg
Carcinogenicity	EPA has classified acetonitrile as a Group D, not classifiable as to human carcinogenicity
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Reproductive toxicity / Teratogenicity:	No data available
Aspiration hazard:	No data available
Additional information:	<a href="#">RTECS AL7700000 For Acetonitrile</a>

## Section 12. Ecological Information

Eco-Toxicity	May cause long lasting harmful effects to aquatic life.
Other adverse effects	No further relevant information available.
Persistence and degradability	No information available
Bioaccumulation	No information available
Mobility in soil	No information available
PBT and vPvB assessment	No information available

## Section 13. Disposal Considerations

<b>Waste treatment methods</b>	
Waste from residues / unused products	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product Do not reuse container.

## Section 14. Transport information

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

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>
UN proper shipping name				
Transport Hazard Class & Packing Group	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>	<i>Not regulated</i>

## Section 15. Regulatory information

### Safety, health and environmental regulations/legislation

USA EPA / TSCA

This product is not listed on the USA EPA TSCA

EU ECHA Status

This product is NOT registered with the EU ECHA.

CA: DSL/NDSL Status

This product is not listed on the Canadian DSL/NDSL

## Section 16. Other information

Date of revision: 30-June-2019

### 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