

# Safety Data Sheet: Cytochalasin B

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

### Product identifiers

Product name	Cytochalasin B	EC Number #	239-000-2
Product Code	CB	Formula	C29H37NO5
CAS #	14930-96-2	M.W.	479.6
Source organism	Drechslera dematoidea	RTECS	HA5300500

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

Intended use	Uses advised against:
<b>Only for Research and/or Development</b>	Not for drug, Not to be used in humans or animals. Not food additive

### Company information

Details of the supplier of the safety data sheet	Emergency Telephone number
<b>FERMENTEK Ltd</b> 4 Yatziv street, POB 47120 Jerusalem 97800, <b>Israel</b> Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	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

### Classification of the substance or mixture

#### GHS Classification:

Acute Toxicity, Oral (Category 2)	H300	Fatal if swallowed
Acute Toxicity, Inhalation (Category 1)	H330	Fatal if inhaled
Acute Toxicity, Dermal (Category 2)	H310	Fatal in contact with skin.
Reproductive toxicity (Category 2)	H361	Suspected of damaging fertility or the unborn child

#### GHS Label elements, including precautionary statements

Pictogram:   Signal word: {DANGER}

#### GHS Hazard Statements

H300 + H310 + H330	Fatal if swallowed, in contact with skin or if inhaled.
H361	Suspected of damaging fertility or the unborn child

#### GHS Precautionary Statements

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/ protective clothing.
P284	Wear respiratory protection

#### GHS Response Phrases:

P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P330:	Rinse mouth

P302 + P350	IF ON SKIN:Gently wash with plenty of soap and water
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor

### Section 3. *Composition/information on ingredients*

<b>Substance</b>	
Substance name:	Cytochalasin B
	CAS Registry #:14930-96-2
	Molecular Formula: C <sub>29</sub> H <sub>37</sub> NO <sub>5</sub> Molecular Weight: 479.6
	Acute Toxicity, Oral (Category 2 )
	Acute Toxicity, Dermal (Category 2 ) H310
	Acute Toxicity, Inhalation (Category 1 )
	Reproductive toxicity (Category 2 )
<b>Mixture</b>	
	Not mixture.

### Section 4. *First Aid Measures*

#### Description of First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Ingestion:	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water. Call a physician
Inhalation:	Immediate medical attention is required Remove to fresh air If not breathing, give artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary Call a physician Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician
Skin Contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

### 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, Nitrogen oxides (NO <sub>x</sub> )
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	Use personal protective equipment as required. 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.
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### Conditions for safe storage, including any incompatibilities

Storage Conditions:	Keep container tightly closed in a dry and well-ventilated place. Store at -20 °C. Light sensitive Keep out of the reach of children.
Incompatible materials:	None known based on information available

## Section 8. *Exposure Controls/Personal Protection*

Exposure Limits	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
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels low.
Appropriate engineering controls	Showers, Eyewash stations, Ventilation systems
Work/Hygienic Practices	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use fumehood for routine work
<b>Personal protective equipment</b>	
Eye Protection:	Safety glasses
Hand protection:	Protective Gloves: Compatible chemical-resistant gloves
Body Protection:	Protective Clothing: Lab coat
Respiratory protection:	Respiratory Equipment :NIOSH approved respirator

## Section 9. *Physical and chemical properties*

### Physical / chemical properties

Physical State at room temperature	Solid / powder
Appearance	crystalline solid
Color	white
Melting/freezing point	215°C-226°C

No further safety relevant data are available

## Section 10. *Stability and reactivity*

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

## Section 11. *Toxicological information*

### Information on toxicological effects

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

Acute Toxicity	No relevant quantitative experimental data are available. Oral toxicity, chicken: LD50: 12.5 mg/kg
Chronic Toxicological Effects:	Cytochalasin B - Investigated as a mutagen, natural product, and reproductive effector
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	Suspected germ cell mutagen. Laboratory experiments have shown mutagenic effects.
Carcinogenicity:	IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the International Agency for Research on Cancer Monograph. NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by the National Toxicology Program. OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by the Occupational Health and Safety Association.
Reproductive toxicity / Teratogenicity:	Suspected human reproductive toxicant. Mouse: TDLo 1.5 mg/kg, Oral Toxic Effects: Fertility - Post-implantation mortality Effects on Embryo or Fetus - Fetal death Specific Developmental Abnormalities - Central nervous system, musculoskeletal system
STOT-SE – single exposure (GHS):	No data available
STOT-RE – repeated exposure (GHS):	No data available
Aspiration hazard:	No data available
Additional information:	RTECS: <a href="#">R00205000</a>

## Section 12. *Ecological Information*

<b>Eco-Toxicity</b>	No further relevant information available
<b>Other adverse effects</b>	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 UN proper shipping name	3462 Toxins, extracted from living sources, solid, n.o.s. (Cytochalasin B)	3462 Toxins, extracted from living sources, solid, n.o.s. (Cytochalasin B)	3462 Toxins, extracted from living sources, solid, n.o.s. (Cytochalasin B)	3462 Toxins, extracted from living sources, solid, n.o.s. (Cytochalasin B)
Transport Hazard Class & Packing Group	6.1 Pg II	6.1 Pg II	6.1 Pg II	6.1 Pg II

## Section 15. *Regulatory information*

### Safety, health and environmental regulations/legislation

USA/ TSCA	This product is not listed on the USA TSCA ("For research only")
SARA 302	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313
SARA 311/312	Acute health hazard, chronic health hazard.
EU ECHA Status	This product is 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: 2-oct-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.

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

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