

Safety Data Sheet: *Dihydrocytochalsin B*

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

Product identifiers			
Product name	<i>Dihydrocytochalsin B</i>	EC Number #	254-324-4
Product Code	DH	Formula	C29H39NO5
CAS #	39156-67-7	M.W.	481.6
Source organism	N.A. (Synthetic)	RTECS	Not listed

Intended uses of the substance or mixture and uses advised against

Intended use	Uses advised against:
Only for Research and/or Development	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

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 3)	H300	Toxic if swallowed
Acute Toxicity, Inhalation	(Category 3)	H330	Toxic if inhaled
Acute Toxicity, Dermal	(Category 3)	H310	Toxic in contact with skin.
Carcinogenicity	(Category 2)	H351	Suspected of causing cancer



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.
H351	Suspected of causing cancer

GHS Precautionary Statements

P201	- Obtain special instructions before use
P202	- Do not handle until all safety precautions have been read and understood
P270	- Do not eat, drink or smoke when using this product
P301 + P310	- IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
P302 + P352	- IF ON SKIN: Wash with plenty of soap and water
P330	- Rinse mouth
P280	- Wear protective gloves/ eye protection/ face protection
P308 + P313	- IF exposed or concerned: Get medical advice/attention
P312	Call a POISON CENTER or doctor if you feel unwell
P361 + P364	- Remove/Take off immediately all contaminated clothing and wash it before reuse
P304 + P340	- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P405	- Store locked up
P501	- Dispose of contents/ container to an approved waste disposal plant

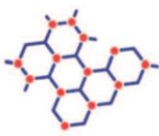
Section 3. Composition/information on ingredients

Substance	
Substance name:	Dihydrocytochalasin B
	CAS Registry #:39156-67-7
	Molecular Formula: C ₂₉ H ₃₉ NO ₅ Molecular Weight: 481.6
	Acute Toxicity, Oral (Category 3) H300
	Acute Toxicity, Dermal contact (Category 3) H310
	Acute Toxicity, Inhalation (Category 3) H330
	Carcinogenicity (Category 2) H351
Mixture	Not mixture.

Section 4. First Aid Measures
Description of First Aid Measures

General advice:	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Ingestion:	Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
Inhalation:	Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician or poison control center immediately.





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.

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 (NOx)
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.
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Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
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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.
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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.
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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.
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Incompatible materials:	None known based on information available
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Section 8. **Exposure Controls/Personal Protection**

Exposure Limits	No occupational exposure limits are listed for this material. <table border="0"> <tr> <td>OSHA Permissible Exposure Limits</td> <td>No Data Available</td> </tr> <tr> <td>NIOSH Recommended Exposure Limits</td> <td>No Data Available</td> </tr> <tr> <td>ACGIH Threshold Limit Values</td> <td>No Data Available</td> </tr> </table>	OSHA Permissible Exposure Limits	No Data Available	NIOSH Recommended Exposure Limits	No Data Available	ACGIH Threshold Limit Values	No Data Available
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.
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Appropriate engineering controls	Showers, Eyewash stations, Ventilation systems
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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
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Personal protective equipment

Eye Protection:	Safety glasses
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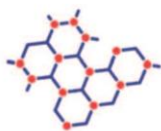
Hand protection:	Protective Gloves: Compatible chemical-resistant gloves
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Body Protection:	Protective Clothing: Lab coat
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Respiratory protection:	Respiratory Equipment :NIOSH approved respirator
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Section 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

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

Section 11. Toxicological information

Information on toxicological effects

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

Acute Toxicity Oral:	No relevant quantitative experimental data are available. Oral toxicity, chicken: ATEmix : 100 mg/kg
Acute Toxicity Dermal/Skin corrosion/irritation:	ATEmix dermal 300 mg/kg
Acute toxicity inhalation	ETE mix 500ug/liter
Germ cell mutagenicity:	No data available
Carcinogenicity:	Suspected to cause cancer, based on chemical analogy.
STOT-SE – single exposure (GHS):	No data available
STOT-RE – repeated exposure (GHS):	No data available
Aspiration hazard:	No data available
Additional information:	RTECS: Not listed

Section 12. Ecological Information

Eco-Toxicity	May cause long lasting harmful effects to aquatic life. Unknown aquatic toxicity 100% of the mixture consists of component(s) of unknown hazards to the aquatic environment
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	3462	3462	3462	3462
UN proper shipping name	Toxins, extracted from living sources, solid, n.o.s. (Dihydrocytochalasin B)	Toxins, extracted from living sources, solid, n.o.s. (Dihydrocytochalasin B)	Toxins, extracted from living sources, solid, n.o.s. (Dihydrocytochalasin B)	Toxins, extracted from living sources, solid, n.o.s. (Dihydrocytochalasin 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

Section 16. Other information
Date of revision: Thursday, 10 October, 2019Disclaimer

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. Fermentek does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

End of SDS

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