



Identification of the Substance and the Manufacturer 1.

1.1. Product	identifiers					
Product name	<u>Altertoxin I</u>		Formula		<i>C20</i>	0H16O6
Product Code ALX			Molecular	weight	352.	.3 g/mol
CAS#	56258-32-3		Mixture?		Sub	stance
<u>ECHA</u> #	<u>814-312-7</u>		PUBCHEM	[Alte	<u>rtoxin I</u>
Comptox EPA	<u>40971689</u>		<u>RTECS</u>		BCS	0625200
			<u>T3DB</u> #		<u>T3D</u>	<u>93729</u>
Synonyms and	Dihydroalterperylenol					
other names						
Source	From: Alternaria sp.			Vers Date		5 October, 2024
1.2. Intendea	l uses of the Substance	e and	uses advised	against		
1.2.1. Intended	use:	1.2.2.	Uses advise	d against:		
Research and dev	elopment.	Not a	drug,			
Laboratory reage	nt.	Not a food additive				
Reference materic	ıl.	Not to be used in humans or animals.				
Manufacturing of substances.						
To be used by pro	fessionals only					
1.3. Contacts						
1.3.1. Details of	f the supplier of the SDS					
FERMENTEK	ltd	<i>Tel:</i> +972 2 5853953				
4 Yatziv street, POB 47120 Fax: +972 2 5853943						
Jerusalem 97800, eMail: <u>Fermentek@Fermentek.com</u>		entek.com				
Israel		Sa	fety@Ferme	entek.	.com	
		Webs		rmentek.com		
This company i	s the manufacturer of t	he nro	duct and the	supplier of	the s	afety data sheet

This company is the manufacturer of the product and the supplier of the safety data sheet Emergency Telephone number *1.3.2.*

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







Hazards' identification. 2.

Not hazardous, not classified according to EU Reg. 1272/2008 and US OSHA 1910.1200).

Composition/information on ingredients *3*.

Substance	
Substance Name:	Altertoxin I
Concentration	<=100%
CAS Registry#:	56258-32-3
<i>EC#</i> :	814-312-7
Molecular Formula:	C20H16O6
Molecular Weight:	352.3 g/mol
Classification	Not classifiable
Mixture?	Substance

4. First Aid Measures.

Description of First Aid Measures. *4.1*.

General advice:	First-aiders need to protect themselves. If medical attention is required, show this safety data sheet to the doctor in attendance.	
Eye contact:	Rinse out with plenty of water. Remove contact lenses.	
Skin Contact:	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.	
Ingestion:	If swallowed: give water to drink (two glasses at most). Seek medical advice immediately.	
Inhalation:	If inhaled, move the person into fresh air.	
4.2. Most important symptoms and effects, both acute and delayed		
General symptoms	See section 11	

Indication of any immediate medical attention and special treatment needed *4.3*. No data available Note to physicians

Fire-fighting measures. 5.

Extinguishing media. 5.1.

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None known





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5.2. Other information	
Hazardous combustion products	Carbon oxides Formula C20H16O6
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.
6. Accidental releas	
	is, protective equipment, and emergency procedures
Personal precautions	Use personal protective equipment as required. Keep people away from and upwind of spill/leak.
6.2. Environmental prec	cautions
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
6.3. Methods and mater	ial for containment and cleaning up
Methods for containment:	Prevent further leakage or spillage if safe to do so. Cover the powder spill with a plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up:	Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Cover liquid spill with sand, earth or other non- combustible absorbent material (e.g., sand, earth, diatomaceous earth, and vermiculite). Cover the powder spill with a plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.
7. Handling and sto	prage
7.1. Precautions for safe	0
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.
7.2. 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.
Suitable packaging	Must only be kept in original packaging.
Incompatible materials:	None known based on information available.







8. Exposure Controls/Personal Protection

Attiention:

Usually, the product of concern would be present at the intended workplace in miniscule amounts, while surrounded by considerable amounts of other flammable, toxic or otherwise hazardous substances. Therefore, a risk assessment should be performed by the employer/user prior to the use of this product.

The type of protective equipment must be selected based on the amount and concentration of all dangerous materials being used in the workplace.

All recommendations included in this document are advisory in nature

8.1. Control parameters

0.1.	control par anterers	
Control parameters		Components with workplace control parameters
<i>8.2</i> .	Exposure controls	
App	ropriate engineering	Showers, Eyewash stations, Ventilation systems
cont	trols	Avoid contact with skin, eyes, and clothing.
		Wash hands before breaks and immediately after handling the product.
		Use fume-hood for routine work.

8.3. Personal protective equipment

[PPE=Personal Protection Equipment]		
PPE: 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).	
PPE: Hand Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands	
PPE: Eye Protection:	Use a 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)	







PPE: Skin and BodyHandle 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 Regulation (EU) 2016/425 and the standard EN 374
derived from it.

9. Physical and chemical properties

The information given here does not purport specification of warranty of any kind. It 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.

9.1. Physical/chemical properties

Physical State at room	Solid
temperature	
Appearance	Off-White to yellowish powder

No further safety relevant data are available

10. Stability and reactivity

10. Stubility 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 exidizers	
Possibility of Hazardous Reactions	None under normal processing	
Hazardous combustion products	See section 5	

11. Toxicological information

11.1. Information on toxicological effects

To the best of our knowledge, the toxicological effects of this product have not been thoroughly studied yet. *11.1.1. Acute Toxicity*

Acute toxicity:	Intraperitoneal, Rat, LDL0=200 mg/kg
	Estimated, Mouse LD50 oral=2 gr/kg
	<i>Oral, Rat, LD50= 129 mg/kg</i>
	No other acute toxicity available.
Skin corrosion/irritation:	No data available







Serious eye damage/eye irritation:	No data available	
Respiratory or skin sensitization/corrosion:	No data available	
11.1.2. Chronic toxicity		
Chronic toxicity	No data available	
11.1.3. CRM (Carcinogen	ne, Mutagene, Reproductive hazards)	
Germ cell mutagenicity:	Mutations reported in rodent cells and in bacteria.	
Carcinogenicity:	Not classified by IARC	
<i>Reproductive toxicity / Teratogenicity:</i>	No data available	
11.2. Additional info	rmation	
RTECS number	BC9625200	
General symptoms		
12. Ecological In	formation	
Eco-Toxicity	No data available	
Other adverse effects	No data available	
13. Disposal Con	siderations	
13.1. Waste treatment		
Waste Disposal	Dispose of in accordance with local regulations	
Contaminated packaging	Dispose of as unused product	
14. Transport inf	formation	
14.1. UN Number, P.	roper Shipping Name, Transport Hazard Class, packing group	
UN Number	Not hazardous Not classifiable.	
UN proper shipping name	(Altertoxin I)	
Transport Hazard Class & Packing Group	Not hazardous for transport. (Altertoxin I)	
15. Regulatory information 15.1. Safety, health, and environmental regulations/legislation		
15.1. Safety, health, USA EPA / TSCA	This product is not listed on the USA EPA TSCA (it is for research)	
EU ECHA Status		
LU LUIA SIUIUS	This product is registered with the EU ECHA, Number 814-312-7	

REACH: Neither Registered nor PreRegistered.







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ANNEX III (criteria for 1 - 10 tonne registered substances): Not Listed

16. Other information

16.1. Version information

Version date:

16.2. Department issuing this SDS

Quality systems and regulatory affairs

16.3. General 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 explicitly specified in the text.

16.4. The users '/employers' responsibility:

Usually, the product of concern would be present at the intended workplace in miniscule amounts, while surrounded by considerable amounts of other flammable, toxic or otherwise hazardous substances. Therefore, a risk assessment should be performed by the employer/user prior to the use of this product.

The type of protective equipment must be selected based on the amount and concentration of all dangerous materials being used in the workplace. All recommendations included in this document are advisory in nature.

16.5. No © copyright



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16.6. End of SDS





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Appen	dix A : Abbreviations and acronyms:
Acute Tox.:	Acute toxicity
CAS:	Chemical Abstracts Service
Comptox	CompTox Chemicals Dashboard Resource Hub (EPA)
DOT:	US Department of Transportation
ECHA	European Chemicals Agency
EINECS:	European Inventory of Existing Commercial Chemical Substances
EPA	United States Environmental Protection Agency
Eye Dam.:	Serious eye damage/eye irritation
HSDB	Hazardous Substances Data Bank
HMIS:	Hazardous Materials Identification System (USA)
IATA:	International Air Transport Association
IMDG:	International Maritime Code for Dangerous Goods
LC50:	Lethal concentration, Median
LD50:	Lethal dose, Median
LDL0	Letal dose, leatst published
NDG	Not dangerous goods (for transport)
NFPA:	National Fire Protection Association USA
NIOSH:	National Institute for Occupational Safety
OSHA:	Occupational Safety & Health
PBT:	Persistent, Bioaccumulative, and Toxic
PEL:	Permissible Exposure Limit
REL:	Recommended Exposure Limit
Repr.:	Reproductive toxicity
RTECS:	Registry of Toxic Effects of Chemical Substances
Skin Irrit:	Skin corrosion/irritation
STOT/SE	Specific target organ toxicity/Single exposure
STOT/RE	Specific target organ toxicity/Repeated exposure
T3DB	Toxin and Toxin Target Database
TDL0	Toxic dose, least published

