

Safety Data Sheet *Tentoxin*

Sections  [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Tentoxin vers 8-2024

Page 1 of 9

1. Identification of the Substance and the Manufacturer

1.1.

Product name	Tentoxin	Formula	C ₂₂ H ₃₀ N ₄ O
Product Code	TEN	Molecular weight	414.50 g/mol
CAS#	28540-82-1	Mixture?	Substance
ECHA#	811-256-5	PUBCHEM	Tentoxin
Comptox EPA	70893264	RTECS	-Not listed at 8-2024-
CHEBI	CHEBI:9439		
Synonyms and other names	(3S,6S,12Z)-12-benzylidene-1,6,7-trimethyl-3-(2-methylpropyl)-1,4,7,10-tetrazacyclododecane-		
Source	From: <i>Alternaria alternata</i>	Vers Date	20 October, 2024

1.1.1. Intended use:

Research and development.
Laboratory reagent.
Reference material.
Manufacturing of substances.
To be used by professionals only

1.1.2. Uses advised against:

Not a drug,
Not a food additive
Not to be used in humans or animals.

1.2.

1.2.1. Details of the supplier of the SDS

FERMENTEK ltd
4 Yatziv street, POB 47120
Jerusalem 97800,
Israel

Tel: +972 2 5853953
Fax: +972 2 5853943
eMail: Fermentek@Fermentek.com
Safety@Fermentek.com
Website: Fermentek.com

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

1.2.2. 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



Safety Data Sheet *Tentoxin*

Sections  **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

SDS Tentoxin vers 8-2024

Page 2 of 9

2. Hazards' identification.

2.1.1. GHS Classification: According to EU Reg. 1272/2008 and US OSHA 1910.1200)

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

2.1.2. Pictogram: { None } Signal word: {None}

2.1.3. Hazard Statements

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

2.1.4. GHS Precautionary Statements

P203	Obtain, read and follow all safety instructions before use.
P261	Avoid breathing dust or mist.
P264	Wash {hands} thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

2.1.5.

Attention:

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, the employer/user should perform a risk assessment 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

2.1.6.

2.1.7. GHS Response Phrases:

3. Composition/information on ingredients

Substance	
Substance Name:	Tentoxin
Concentration	<=100%
CAS Registry#:	28540-82-1
EC#:	811-256-5
Molecular Formula:	C ₂₂ H ₃₀ N ₄ O
Molecular Weight:	414.50 g/mol
Classification	Not classified



Safety Data Sheet *Tentoxin*

Sections  [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SDS Tentoxin vers 8-2024

Page 3 of 9

Mixture?

Substance

4. 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.

4.2.

General symptoms

[See section 11](#)

4.3.

Note to physicians

No data available

5. Fire-fighting measures.

5.1.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

None known

5.2.

Hazardous combustion products

Carbon oxides, Nitrogen oxides
C₂₂H₃₀N₄O

Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary.
Wear protective suit.

6. Accidental release measures

6.1.

Personal precautions

Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

6.2.

Environmental precautions

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

6.3.

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

Safety Data Sheet *Tentoxin*

Sections  **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

SDS Tentoxin vers 8-2024

Page 4 of 9

minimize spreading. Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

7.1.

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.

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

Attention:

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, the employer/user should perform a risk assessment 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

Components with workplace control parameters

8.2.

Appropriate 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 fume-hood for routine work.

8.3.

[PPE=Personal Protection Equipment]



Safety Data Sheet *Tentoxin*

Sections  **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

SDS Tentoxin vers 8-2024

Page 5 of 9

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 Body Protection:	Handle 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 State at room temperature	Solid
Appearance	White to Off-White powder
No further safety relevant data are available	

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

Safety Data Sheet *Tentoxin*

Sections  **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

SDS Tentoxin vers 8-2024

Page 6 of 9

Hazardous combustion
products

See section 5

11. Toxicological information

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:

Acute toxicity Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation:

No toxicity data available

Serious eye damage/eye
irritation:

No toxicity data available

Respiratory or skin
sensitization/corrosion:

No toxicity data available

11.1.2. Chronic toxicity

Chronic toxicity

No toxicity data available

11.1.3. CRM (Carcinogene, Mutagene, Reproductive hazards)

Germ cell mutagenicity:

No toxicity data available

Carcinogenicity:

Not classified by IARC

Reproductive toxicity /
Teratogenicity:

No toxicity data available

11.2.

RTECS number

-Not listed at 8-2024-

General symptoms

No toxicity data available

12. Ecological Information

Eco-Toxicity

No data available

Other adverse effects

No data available

13. Disposal Considerations

Waste Disposal

Dispose of in accordance with local regulations

Contaminated packaging

Dispose of as unused product



Safety Data Sheet *Tentoxin*

Sections  **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

SDS Tentoxin vers 8-2024

Page 7 of 9

14. Transport information

	IATA	IMDG	ADR/RID
UN Number, Proper shipment name	Not classified Not regulated (Tentoxin)	Not classified Not regulated (Tentoxin)	Not classified Not regulated (Tentoxin)
Transport hazard Class, Packing group	Not hazardous for transport (Tentoxin)	Not hazardous for transport (Tentoxin)	Not hazardous for transport (Tentoxin)
Comments		Not marine pollutant	

15. Regulatory information

15.1. Safety, health, and environmental regulations/legislation

USA EPA / TSCA	This product is not listed on the USA EPA TSCA (it is for research)
EU ECHA Status	This product is registered with the EU ECHA, Number 811-256-5 REACH: Neither Registered nor PreRegistered. ANNEX III (criteria for 1 - 10 tonne registered substances): Not Listed

16. Other information

16.1. Version information

Version date: 8-2024	
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16.2. Department issuing this SDS

Quality systems and regulatory affairs
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16.3. General Disclaimer

<p>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.</p> <p>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.</p> <p>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.</p>

16.4. The users'/employers' responsibility:

<p>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, the employer/user should perform a risk assessment by 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.</p> <p>All recommendations included in this document are advisory in nature.</p>



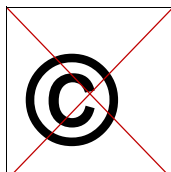
Safety Data Sheet *Tentoxin*

Sections  **[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)**

SDS Tentoxin vers 8-2024

Page 8 of 9

16.5. No © copyright



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16.6. END OF SDS




Safety Data Sheet *Tentoxin*

Sections  **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

SDS Tentoxin vers 8-2024

Page 9 of 9

Appendix A : Abbreviations and acronyms:

	This symbol means, the text looking like a hyperlink, is a clickable link indeed. Of course, these are only active on glass screens, not on paper.
Synthetic / From	"Synthetic" means this compound has been manufactured by chemical conversion of another product of ours. "From" means the compound was extracted from biomass, whether algal, fungal, microbial or plant material
Mixture/Substance	Mixture means there are two or more pure substances mixed purposely. Not including cases of two or more substances which naturally occur together and are sold unseparated
Acute Tox.:	Acute toxicity
CAS:	Chemical Abstracts Service
ChEBI	Chemical Entities of Biological Interest
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
LDLO	Letal dose, least 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
PubChem	An open chemistry database at the National Institutes of Health (NIH). "
REL:	Recommended Exposure Limit
Repr.:	Reproductive toxicity, incl. hazards to reproductive systems, and pregnancy and the offspring.
RTECS:	Registry of Toxic Effects of Chemical Substances. Not free.
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
TDLO	Toxic dose, least published

