

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Tentoxin (From Alternaria sp.)

CAS Number 28540-82-1

Catalog Code: *TE*

1.2. Relevant identified uses of the substance or mixture and uses advised against

Research reagent. For research only

Company Identification

Fermentek Ltd,

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Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP:

This product has no classification under CLP.

2.2. Label elements

Label elements:

Precautionary statements: P261: Avoid breathing dust.

P280: Wear protective gloves/protective clothing/eye

2.3. Other hazards

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

PBT: This product is not identified as a PBT/vPvB substance.

Label precautionary statements The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

HMIS rating Health: 3; Flammability: 0; Reactivity: 0

NFPA rating Health: 3; Flammability: 0; Reactivity: 0

Section 3. Composition/Information on Ingredients

3.1. Substances

Chemical identity: TENTOXIN FROM ALTERNARIA sp

CAS number: 28540-82-1

Chemical Formula: C₂₂H₃₀N₄O₄

Section 4. First Aid Measures

4.1. Description of first aid measures

Eye Contact

Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately.

Skin Contact

Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention.

Inhalation

Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible.

Ingestion

Remove dentures and clear mouth. If person is conscious, rinse mouth with water. Call physician or poison control immediately. Provide chemical label and MSDS information if possible.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact:

There may be mild irritation at the site of contact.

Eye contact:

There may be irritation and redness.

Ingestion:

There may be irritation of the throat.

Inhalation:

There may be irritation of the throat with a feeling of tightness in the chest.

Section 5. Fire and Explosion Data

5.1. Extinguishing media

Suitable extinguishing media for the surrounding fire should be used, such as Carbon Dioxide, Dry chemical powder, polymer foam, water spray

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes such as CO, CO₂, NO, NO₂,

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

Unusual Fire/Explosion Hazards: None known

Combustion Products: CO, CO₂, NO, NO₂

Section 6 - Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wash the spillage site with large amounts of water.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage

Storage conditions: Store in a cool, well ventilated area. Recommended storage temp 2°C-8°C.

Suitable packaging: Must only be kept in original packaging

Clean-up Procedures

Evacuate area. Wear appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed

Waste Disposal Method

Observe all Federal, State and Local regulations concerning the disposal of this product.

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete

Protective Equipment

For spill clean-up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self-contained breathing apparatus or NIOSH/MSHA approved respirator is recommended.

Storage and Handling

It should be kept in a tightly closed container. This product should be handled only by qualified experienced professionals. Wash thoroughly after handling this material Do not store above 80C

Section 8 - Exposure Controls / Personal protection

General

Use in a chemical fume hood. Safety shower and eye bath. Use adequate ventilation to keep airborne concentrations low

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

Engineering measures:

Ensure there is sufficient ventilation of the area

8.2. Exposure controls

Personal protective equipment

Respiratory: Government approved respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

Section 9. Physical and chemical data

9.1. Information on basic physical and chemical properties

Appearance

Solid; white to off-white powder

Molecular Weight

414.5

Melting

168-172 °C

Solubility

Ethanol (10 mg/ml), with heat as needed Water, Dichloromethane, DMSO

Section 10. Stability and Reactivity Data

10.1. Reactivity

This material is stable if stored as directed

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

Hazardous polymerization: Will not occur

10.4. Conditions to avoid

Heat; incompatible materials, strong oxidizers

10.5. Incompatibles

Reactive with oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products: In combustion emits toxic fumes

Section 11 - Toxicological Information

11.1. Information on toxicological effects

Toxicity values: No data available

Route of exposure

Multiple Routes: May cause irritation. May be harmful by inhalation, ingestion, or skin absorption.

Symptoms

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Conditions aggravated by exposure

The toxicological properties have not been thoroughly investigated.

Mutagenicity data

Shown non-mutagenic in bacterial tests; SCHRADER,T et all, TERATOG., CARCINOGEN., MUTAGEN. 21(4):261-274, 2001]

Section 12 - Ecological Data

Ecotoxicological Information:

12.1 Ecotoxicity values

No data available

12.2. Persistence and degradability

Biodegradable

12.3 Bioaccumulative potential

No bioaccumulation potential

12.4. Mobility in soil

Mobility: No data available

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other effects

Negligible Eco-toxicity

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation

Disposal operations:

Transfer to a suitable container and arrange for collection by specialised disposal company. MATERIAL SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

Disposal of packaging:

Dispose of as special waste in compliance with local and national regulations
Observe all federal, state and local environmental regulations.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14 - Transport Information

US DOT

This substance is considered to be non-hazardous for transport.

IATA

This product is Non-hazardous for air transport.

Proper Shipping Name: None

This product does not require a classification for transport.

Section 15-Regulatory Information

US classification and labelling

US Statements: Caution: The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

USA regulatory information

SARA: not listed

Section 16 -Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses. For use only by trained personnel.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The burden of safe use of this material rests entirely with the user. Fermentek shall not be held liable or any damage resulting from handling or from contact with the above product.

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