



Safety Data Sheet: T-2 Toxin Triol | Fermentek

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

1.1 Product identifier

Product Code:

Product name:

T-2 Toxin Triol | Fermentek

CAS #

34114-98-2

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

Recommended use:

Only For Research Use

Uses advised against:

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

1.3 Details of the manufacturer and supplier of the safety data sheet

Company

FERMENTEK

4 Yatziv street, POB 47120

Jerusalem 97800, Israel

Tel:

+972 2 5853953

Fax:

+972 2 5853943

eMail

fermentek@fermentek.com

Website:

www.fermentek.com

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

1.4 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

1.5 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.

2 Hazards identification

2.1 Classification of the substance or mixture

GHS Hazards Classification (EU,USA)

Acute Toxicity, Inhalation (Category 1)

Acute Toxicity, Dermal (Category 1)

Acute Toxicity, Oral (Category 1)

Skin Irritation (Category 2)

EU Classification (According to EU Regulation 67/548/EEC)

Very toxic by inhalation, in contact with skin and if swallowed. Irritating to the skin.

EU Risk and Safety Statements (According to EU Regulation 67/548/EEC)

Hazard Statements Very Toxic

Hazard Codes T+

Risk Codes and Phrases

R26/27/28

Very toxic by inhalation, in contact with skin and if swallowed.

R38

Irritating to the skin



Safety Precaution Codes and Phrases

S22	Do not breathe dust.
S27/28	After contact with skin, take off immediately all contaminated clothing and wash with plenty of soap and water.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.

GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)

Signal Word

Danger



GHS Hazard Statements

H330	Fatal if inhaled
H310	Fatal in contact with skin
H300	Fatal if swallowed.
H315	Causes skin irritation

GHS Precautionary Statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260:	Do not breathe dust/fumes/gas/mist/vapours/spray.
P301/P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
P361	Take off immediately all contaminated clothing and wash it before reuse.
P403/P233	Store in a well ventilated place. Keep container tightly closed.

2.3 Unclassified Hazards/Hazards Not Otherwise Classified

No data available

SECTION 3: Composition/information on ingredients

3.1 Substance

Synonyms:	Deacetyl HT 2 Toxin; T 2 Triol; Toxin T 2 Triol; Toxin T 3;
Formula:	C20H30O7
Molecular Weight:	382.45
CAS-No. :	34114-98-2
Chemical characterization:	Natural product;
Concentration by Weight %:	More than 95%

3.2 Mixture

Not mixture. This product is a pure compound

4 First Aid Measures

General advice

Eye contact	Immediate medical attention is required. 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. Call a physician immediately.
Skin Contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
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.
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.
Self-protection of the first aider.	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s)



Symptoms and effects: involved, and take precautions to protect themselves and prevent spread of contamination.
Contact with skin can cause: Dermatitis, Severe irritation. Symptoms and signs of poisoning are: Dizziness, Nausea, Vomiting
Behavioral - convulsions or effect on seizure threshold
Behavioral - fluid intake
Behavioral – ataxia
Behavioral - muscle weakness
Gastrointestinal - hypermotility, diarrhea

Note to physicians Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides.

5.3 Advice for firefighters

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

5.4 Further information

No data available

6 Accidental release measures

6.1 Personal precautions, 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 precautions

Environmental precautions

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

6.3 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, vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.



7. Handling and storage

7.1 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.

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.

Incompatible materials:

None known based on information available.

8. Exposure Controls/Personal Protection

8.1 Control Parameters

No occupational exposure limits are listed for this material.

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use fumehood for routine work.

Personal protective equipment

All recommendations below are advisory in nature and a risk assessment should be performed by the employer/end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

Eye/face protection

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).

Skin 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 EU Directive 89/686/EEC and the standard EN 374 derived from it.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of intended use by our users. It should remain under the responsibility of the users to select the protective equipment according to the nature of the intended use(s)

Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.



9. Physical and chemical properties

Physical / chemical properties

Physical State at room temperature	Solid
pH	No information available
Melting/freezing point	No information available

No further safety-relevant information is available

10. Stability and reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions. May be light-sensitive.
Precautionary Statements:	None under normal processing.
Conditions to avoid	Heat, flames and sparks
Incompatible materials	Strong reducers and oxidizers
Possibility of Hazardous Reactions	None under normal processing
Hazardous decomposition products:	Carbon monoxide CO, Carbon dioxide (CO ₂).

11. Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure

Acute Toxicity LD50 (oral - guinea pig) 4 mg/kg

Potential Health Effects and Routes of Exposure

Inhalation	May be fatal if inhaled. May cause respiratory tract irritation.
Eye contact	May cause eye irritation.
Skin Contact	May be fatal if absorbed through skin. May cause skin irritation.
Ingestion	May be fatal if swallowed.

Symptoms	Contact with skin can cause: Dermatitis, Severe irritation. Symptoms and signs of poisoning are: Dizziness, Nausea, Vomiting Behavioral - convulsions or effect on seizure threshold Behavioral - fluid intake Behavioral - ataxia Behavioral - muscle weakness Gastrointestinal - hypermotility, diarrhea
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Additional information:

RTECS: YD0105000

To the best of our knowledge, the toxicological, chemical and physical properties of this substance have not been investigated sufficiently.

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12. Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.
Persistence and degradability: No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential: No further relevant information available.
Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment

PBT: This substance is not considered to be persistent, bioaccumulating or toxic.
vPvB: This substance is not considered to be very persistent, nor very bioaccumulating.
Other adverse effects: No further relevant information available.

13. Disposal Considerations

13.1 Waste treatment methods

Waste from residues / unused products

Dispose of in accordance with local regulations.

Contaminated packaging

Dispose of as unused product

14. Transport information

14.1-5 UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	2811	2811	2811	2811
UN proper shipping name	Toxic solids, organic, n.o.s. (T-2 Toxin Triol)	Toxic solids, organic, n.o.s. (T-2 Toxin Triol)	Toxic solids, organic, n.o.s. (T-2 Toxin Triol)	Toxic solids, organic, n.o.s. (T-2 Toxin Triol)
Transport Hazard Class & Packing Group	6.1; PG I	6.1; PG I	6.1; PG I	6.1; PG I
Environmental Hazards	None	None	None	None

14.6 Special Precautions for User

None known

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation

Canada: DSL / NDSL : This product is not listed on the Canadian DSL/NDSL.
USA EPA / TSCA : This product is not listed on the US EPA TSCA.
EU ECHA : This product is not registered with the EU ECHA.

15.2 Chemical Safety Assessment

No data available; For this product a chemical safety assessment was not carried out.



16: Other information

Date of revision: 06.06.2013

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 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.

End of SDS

SDS Revision Date: 28-nov.2016 by MGur.

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