

Safety Data Sheet: Tropodithietic acid

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

Product identifiers			
Product name	Tropodithietic acid	EC Number #	Not assigned
Product Code	TR	Formula	C ₈ H ₄ O ₃ S ₂
CAS #	750590-18-2	RTECS	None
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	
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			

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

Classification of the substance or mixture

GHS Classification:

Acute Toxicity, Oral	(Category 4)	H302 Harmful if swallowed.
Eye irritation	(Category 2)	H319 Causes serious eye irritation

GHS Label elements, including precautionary statements

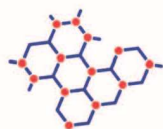
Pictogram:  Signal word: {Warning}

GHS Hazard Statements

H302	Harmful if swallowed.
H319	Causes serious eye irritation

GHS Precautionary Statements

H302	Avoid breathing dust/fume/gas/mist/vapours/spray.
H319	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312	If swallowed: call a poison center or doctor/physician if you feel unwell.
P305 + P351 + P338	If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



3) Composition/information on ingredients

Substance

Substance name:	Tropodithietic acid
	CAS Registry #: 750590-18-2
	Molecular Formula: C ₈ H ₄ O ₃ S ₂ Molecular Weight: 212.3
	Acute Toxicity, Oral (Category 4) H302 Harmful if swallowed.
	Eye irritation (Category 2) H319 Causes serious eye irritation
	Concentration: =< 100%

Mixture: Not mixture.

4) First Aid Measures

4.1 Description of First Aid Measures

Eye contact:	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Skin Contact:	Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin
Ingestion	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor. Transfer to hospital as soon as possible.
Inhalation	Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.

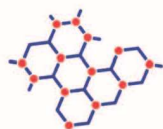
4.2 Most important symptoms and effects, both acute and delayed

Skin contact	There may be mild irritation at the site of contact.
Eye contact	There may be pain and redness. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage.
Ingestion	There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

5) Fire-fighting measures

5.1 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,
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.



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, and 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 No occupational exposure limits are listed for this material.

OSHA Permissible Exposure Limits	No Data Available
NIOSH Recommended Exposure Limits	No Data Available
ACGIH Threshold Limit Values	No Data Available

8.2 Exposure controls

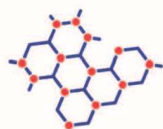
Engineering Controls	Showers, Eyewash stations, Ventilation systems
Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses. Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin protection:	Protective clothing

9) Physical and chemical properties

Physical / chemical properties

Physical State at room temperature	Solid / powder
Color	orange

No further safety-relevant information is 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
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides, sulfure/nitrogene compounds

11) Toxicological information

Information on toxicological effects

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

Acute Toxicity	No information available.
Ingestion	There may be soreness and redness of the outh and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.
Skin corrosion/irritation:	There may be mild irritation at the site of contact.
Serious eye damage/eye irritation:	There may be pain and redness. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage
Respiratory or skin sensitization:	No data available
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Absorption through the lungs can occur causing symptoms similar to those of ingestion.
Additional information:	RTECS: not available

12) Ecological Information

Eco-Toxicity	No further relevant information available
Other adverse effects	No further relevant information available.

13) Disposal Considerations

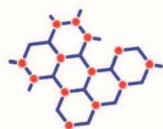
Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product

14) Transport information

UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US DOT	ADR/RID:	IMDG:	IATA
UN Number UN proper shipping name	Not regulated. This product does not require a classification for transport.	Not regulated. This product does not require a classification for transport.	Not regulated. This product does not require a classification for transport.	Not regulated. This product does not require a classification for transport.
Transport Hazard Class & Packing Group	Not hazardous	Not hazardous	Not hazardous	Not hazardous



15) Regulatory information

Safety, health and environmental regulations/legislation

USA EPA / TSCA	This product is not listed on the USA EPA TSCA
EU ECHA Status	This product is not registered with the EU ECHA
CA: DSL/NDSL Status	This product is not listed on the Canadian DSL/NDSL

16) Other information

Date of revision: Monday, 03 July, 2017

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 specified in the text.



End of SDS