



Safety Data Sheet: SDS-DihydroErgocristineMesylate

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

Product identifiers

Product name	SDS-DihydroErgocristine Mesylate	Formula	C₃₅H₄₅N₅O₈S
Product Code	ECH	RTECS	KE7600000
CAS #	24730-10-7	Molecular weight	707.9 g/mol
EC Number #	246-434-6	HSDB	N.A.
		Date of revision:	11 December, 2018

Intended uses of the substance or mixture and uses advised against

Intended use	Uses advised against:
<ol style="list-style-type: none"> for Research and/or Development Reference standard for laboratory use 	Not for drug, Not to be used in humans or animals. Not food additive

Details of the supplier of the safety data sheet

FERMENTEK Ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	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
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This company is the manufacturer of the product, and the supplier of the safety data sheet

Reach: On REACH List of Pre-Registered Substances; Envisage registration deadline 31/05/2013
 On EINECS Annex to Official Journal of the European Communities, 15 June 1990

Section 2. Hazards identification

2.1 Classification of the substance or mixture

2.1 Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral	Category 4	H302	harmful if swallowed
Acute toxicity, Inhalation	Category 4	H332	harmful if inhaled
Reproductive affector	Category 1B	H360	May damage fertility or the unborn child
STOT RE	Category 1	H372	Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements Labelling according Regulation (EC) No 1272/2008 [CLP]

2.2.1. GHS Label elements, including precautionary statements

Signal word: **Danger**

Pictogram:



Hazard statement(s)

H302	Harmful if swallowed
H332	Harmful if inhaled
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure.

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection



P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do.
 Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up

Supplemental Statements: Restricted to professional users.

Section 3. Composition/information on ingredients

Substance	
Substance name:	SDS-DihydroErgocristineMesylate
CAS Registry #:	24730-10-7
EC#:	246-434-6
Molecular Formula:	C35H45N5O8S
Molecular Weight	707.9 g/mol
Concentration:	≤ 100%
Mixture	
	Not mixture.

Section 4. First Aid Measures

4.1 Description of First Aid Measures

General advice:	Immediately remove any clothing soiled by the product. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye contact:	Flush eyes with plenty of water. Wash also under the eye lids.
Skin Contact:	Wash off with soap and plenty of water for minimum 15 minutes. Consult a physician.
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. Clean mouth with water and drink afterwards plenty of water. Call a physician
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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) involved, take precautions to protect themselves and prevent spread of contamination.
Note to physicians	Not available

Section 5. Fire-fighting measures

Extinguishing media

Flammability	Not flammable or combustible.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical o.
Unsuitable extinguishing media	None
Hazardous combustion products	Carbon oxides, Nitrogen oxides.
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.

Section 6. Accidental release measures

- 6.1 Personal precautions** Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid breathing vapors, mist or gas.
 Ensure adequate ventilation.
- 6.2 Environmental precautions** Evacuate personnel to safe areas. Avoid breathing dust.
 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.

Section 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, Protect from sunlight. Protect from moisture.

Incompatible materials: None known based on information available.

Section 8. Exposure Controls/Personal Protection

No occupational exposure limits are listed for this material.

8.2 Exposure controls

This product, as supplied, does not contain any materials with occupational exposure limits established.

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

8.1 Appropriate engineering controls

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 fumehood for routine work.

Personal protective equipment

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

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

[PPE=Personal Protection Equipment]

PPE Eye/face protection Wear safety glasses with side shields (or goggles). 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 Complete suit protecting against chemicals may be recommended. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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).

Section 9. Physical and chemical properties

9.1 Physical / chemical properties

Physical State at room temperature	Solid or powder
Color	White powder
No further safety relevant data are available	

Section 10. Stability and reactivity

Reactivity:	N.A.
Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid	Heat, flames and sparks. Sunlight. Moisture.
Incompatible materials	Strong reducers and oxidizers
Possibility of Hazardous Reactions	None under normal processing
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides

Section 11. Toxicological information

Information on toxicological effects

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

Acute Toxicity

Ingestion / oral	LD50/oral/rat 2643 mg/kg LD50/oral/mouse 5000 mg/kg LD50/oral/dog 1250 mg/kg
Inhalation	No data available
Serious eye damage/eye irritation:	No data available
Skin corrosion/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Reproductive toxicity / Teratogenicity:	May damage fertility or the unborn child.
Aspiration hazard:	No data available
Additional information:	RTECS: KE7600000

Potential health effects

Inhalation	No data available
Ingestion	No data available
Skin	No data available
Eyes	No data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC. ACGIH. NTP OSHA
Mutagenicity	Not observed in people who had worked with ergot alkaloids.
Other effects: Central Nervous system	May cause psychosis, hallucinations,

Comment: there are no quantitative data available, regarding the toxicity of this compound by skin contact and inhalation.

Section 12. Ecological Information

12.1	Eco-Toxicity	No further relevant information available
12.2	Persistence and degradability	Quick biodegradation
12.6	Other adverse effects	No further relevant information available.



Section 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
Recommendation	Must not be disposed of together with household garbage. Do not allow product to reach sewage system

Section 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	<i>Not hazardous for transport</i>			
Transport Hazard Class & Packing Group	<i>Not applicable</i>		<i>Not applicable Not marine pollutant</i>	<i>Not applicable</i>

Section 15. Regulatory information

Safety, health and environmental regulations/legislation	
USA EPA	This product is not listed on the USA EPA
TSCA	Listed
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard
OSHA Hazards	Highly toxic by inhalation, Highly toxic by skin absorption
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
EU regulation	
EU ECHA Status	CLP: listed; 635-481-1
REACH	On REACH List of Pre-Registered Substances, March 2009 Registration Date: 30-NOV-2010. On EINECS Annex to Official Journal of the European Communities, 15 June 1990

Section 16. Other information

16.1 This is a controlled document.

16.2 Date of revision: < 11 December, 2018 >

16.3 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.

16.4 End of SDS