


Safety Data Sheet:

Roridin E

1. Identification of the Substance and the Manufacturer

1.1. Product identifiers

Product name	Roridin E	Formula	C ₂₉ H ₃₈ O ₈
Product Code	ROE	Molecular weight	514.61 g/mol
CAS#	16891-85-3	Substance? Mixture?	Substance
ECHA#	-Not listed as at 4-2024-		
HSDB#	-Not listed-		
Comptox	501034221	Pubchem#	44593339
T3DB#	T3D3711	RTECS	YX9821500
Synonyms	Verrucarin A, 2',3'-didehydro-7'-deoxo-2'-deoxy-7'-(1-hydroxyethyl)-, (2'E,7'R(R))-		
Source	Myrothecium sp.	Version Date	8 May, 2024

1.2. Intended uses of the Substance and uses advised against

1.2.1. Intended use:	1.2.2. Uses advised against:
Research and development. Laboratory reagent. Reference material. Manufacturing of substances. To be used by professionals only	Not a drug, Not a food additive Not to be used in humans or animals.

1.3. Contacts

1.3.1. 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

1.3.2. 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

[Sect.1](#)
[Sect.2](#)
[Sect.4](#)
[Sect.5](#)
[Sect.11](#)
[Sect.14](#)
[Sect.15](#)
[Sect.16](#)



Safety Data Sheet: *Roridin E*

2. Hazards' identification.

2.1. Classification of the Substance.

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

Acute toxicity: Oral	Category 3	H301	Toxic if swallowed
----------------------	------------	------	--------------------

2.2. GHS Label elements, including precautionary statements.

2.2.1. Pictogram: {  } Signal word: {Danger}

2.2.2. Hazard Statements

H301	Toxic if swallowed
------	--------------------

2.2.3. 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

2.2.4. GHS Response Phrases:

P301+P316	IF SWALLOWED: Get emergency medical help immediately.
P330	Rinse mouth.

3. Composition/information on ingredients

Substance	
Substance Name:	Roridin E
Concentration	<=100%
CAS Registry#:	16891-85-3
EC#:	-Not listed as at 4-2024-
Molecular Formula:	<i>C₂₉H₃₈O₈</i>
Molecular Weight:	514.61 g/mol
Classification	Acc O:3 (H301)
Mixture?	Substance

[Sect.1](#)
[Sect.2](#)
[Sect.4](#)
[Sect.5](#)
[Sect.11](#)
[Sect.14](#)
[Sect.15](#)
[Sect.16](#)



Safety Data Sheet: *Roridin E*

4. First Aid Measures.

4.1. Description of First Aid Measures.

General advice:	First-aiders need to protect themselves. If medical attention is required, show this safety data sheet to the doctor in attendance.
Eye contact:	Rinse out with plenty of water. Remove contact lenses.
Skin Contact:	In case of skin contact: Take off all contaminated clothing. Rinse skin with water/ shower.
Ingestion:	If swallowed: give water to drink (two glasses at most). Seek medical advice immediately.
Inhalation:	If inhaled, move the person into fresh air.

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

General symptoms	See Sect.11
------------------	-----------------------------

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	No data available
--------------------	-------------------

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 known

5.2. Other information

Hazardous combustion products	Carbon oxides <i>Formula C₂₉H₃₈O₈</i>
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.
---------------------------	---

[Sect.1](#)
[Sect.2](#)
[Sect.4](#)
[Sect.5](#)
[Sect.11](#)
[Sect.14](#)
[Sect.15](#)
[Sect.16](#)



Safety Data Sheet:

Roridin E

6.3. Methods and material for containment and cleaning up

<i>Methods for containment:</i>	<i>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.</i>
<i>Methods for cleaning up:</i>	<i>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 minimize spreading. Sweep up and shovel into suitable containers for disposal.</i>

7. Handling and storage

7.1. Precautions for safe handling

<i>Advice on safe handling:</i>	<i>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.</i>
---------------------------------	---

7.2. Conditions for safe storage, including any incompatibilities

<i>Storage Conditions:</i>	<i>Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Store at -20 °C.</i>
<i>Suitable packaging</i>	<i>Must only be kept in original packaging.</i>
<i>Incompatible materials:</i>	<i>None known based on information available.</i>

8. Exposure Controls/Personal Protection

8.1. Control parameters

<i>Control parameters</i>	<i>Components with workplace control parameters</i>
---------------------------	---

8.2. Exposure controls

<i>Appropriate engineering controls</i>	<i>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.</i>
---	---

8.3. Personal protective equipment

[PPE=Personal Protection Equipment]

[Sect.1](#)

[Sect.2](#)

[Sect.4](#)

[Sect.5](#)

[Sect.11](#)

[Sect.14](#)

[Sect.15](#)

[Sect.16](#)



Safety Data Sheet: *Roridin E*

<i>PPE: Respiratory protection</i>	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).
<i>PPE: Hand Protection:</i>	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
<i>PPE: Eye Protection:</i>	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)
<i>PPE: Skin and Body Protection:</i>	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

9.1. Physical/chemical properties

<i>Physical State at room temperature</i>	<i>Solid</i>
<i>Appearance</i>	<i>Powder, White</i>
<i>No further safety relevant data are available</i>	

10. Stability and reactivity

<i>Reactivity:</i>	<i>No information available.</i>
<i>Chemical stability:</i>	<i>Stable under normal conditions.</i>
<i>Conditions to avoid</i>	<i>Heat, flames and sparks. Sunlight.</i>
<i>Incompatible materials</i>	<i>Strong reducers and oxidizers</i>
<i>Possibility of Hazardous Reactions</i>	<i>None under normal processing</i>
<i>Hazardous combustion products</i>	<i>See section 5</i>

[Sect.1](#)
[Sect.2](#)
[Sect.4](#)
[Sect.5](#)
[Sect.11](#)
[Sect.14](#)
[Sect.15](#)
[Sect.16](#)


Safety Data Sheet:

Roridin E

11. Toxicological information

11.1. Information on toxicological effects

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:	Oral, Mouse, LD50= 55 mg/kg.
Skin corrosion/irritation:	No data available as at 4-2024
Serious eye damage/eye irritation:	No data available as at 4-2024
Respiratory or skin sensitization/corrosion:	No data available as at 4-2024

11.1.2. Chronic toxicity

Chronic toxicity	No data available as at 4-2024
------------------	--------------------------------

11.1.3. CRM (Carcinogene, Mutagene, Reproductive hazards)

Germ cell mutagenicity:	No data available as at 4-2024
Carcinogenicity:	Not classified by IARC as at 4-2024
Reproductive toxicity / Teratogenicity:	No data available as at 4-2024

11.2. Additional information

RTECS number	YX9821500
General symptoms	Gastrointestinal: ulceration or bleeding from large intestine; gastrointestinal: hypermotility, diarrhea Behavioral: somnolence (general depressed activity); behavioral: convulsions or effect on seizure threshold; behavioral: muscle contraction or spasticity)

12. Ecological Information

Eco-Toxicity	No data available
Other adverse effects	No data available

13. Disposal Considerations

13.1. Waste treatment methods

Waste Disposal	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product

[Sect.1](#)
[Sect.2](#)
[Sect.4](#)
[Sect.5](#)
[Sect.11](#)
[Sect.14](#)
[Sect.15](#)
[Sect.16](#)



Safety Data Sheet:

Roridin E

14. Transport information.

14.1. UN Number, Proper Shipping Name, Transport Hazard Class, packing group.

	US DOT	ADR/RID	IATA	IMDG
UN Number	UN 3642	UN 3642	UN 3642	UN 3642
UN proper shipping name	Toxins, Extracted from Living Sources, Solid, N.O.S. (Roridin E)	Toxins, Extracted from Living Sources, Solid, N.O.S. (Roridin E)	Toxins, Extracted from Living Sources, Solid, N.O.S. (Roridin E)	Toxins, Extracted from Living Sources, Solid, N.O.S. (Roridin E)
Transport Hazard Class & Packing Group	Class 6.1 (Poison) Packing group III	Class 6.1 (Poison) Packing group III	Class 6.1 (Poison) Packing group III	Class 6.1 (Poison) Packing group III

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 Not registered with the EU ECHA, Number - Not listed as at 4-2024-REACH: Neither Registered nor PreRegistered. ANNEX III (criteria for 1 - 10 tonne registered substances): Not Listed

16. Other information

16.1. Department issuing this SDS

Quality systems and regulatory affairs

16.2. General 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.

16.3. The users'/employers' responsibility:

A risk assessment should be performed by the employer/user prior to the use of this product.

All recommendations included in this document, are advisory in nature.

The type of protective equipment must be selected based on the amount and concentration of all dangerous materials being used in the workplace.

16.4. No-Copyright statement.

Fermentek does not claim © copyright on this document.

Fermentek believes that no one can claim copyright on an SDS.

This sort of document is but a compendium of common knowledge and published facts.

Fermentek explicitly releases this document into the public domain.

[Sect.1](#)

[Sect.2](#)

[Sect.4](#)

[Sect.5](#)

[Sect.11](#)

[Sect.14](#)

[Sect.15](#)

[Sect.16](#)


Safety Data Sheet:

Roridin E

16.5. Abbreviations and acronyms:

<i>Acute Tox.:</i>	<i>Acute toxicity</i>
<i>CAS:</i>	<i>Chemical Abstracts Service</i>
<i>DOT:</i>	<i>US Department of Transportation</i>
<i>ECHA</i>	<i>European Chemicals Agency</i>
<i>EINECS:</i>	<i>European Inventory of Existing Commercial Chemical Substances</i>
<i>Eye Dam.:</i>	<i>Serious eye damage/eye irritation</i>
<i>HMIS:</i>	<i>Hazardous Materials Identification System (USA)</i>
<i>HSDB</i>	<i>Hazardous Substances Data Bank</i>
<i>IATA:</i>	<i>International Air Transport Association</i>
<i>IMDG:</i>	<i>International Maritime Code for Dangerous Goods</i>
<i>LC50:</i>	<i>Lethal concentration, Median</i>
<i>LD50:</i>	<i>Lethal dose, Median</i>
<i>NDG</i>	<i>Not dangerous goods (for transport)</i>
<i>NFPA:</i>	<i>National Fire Protection Association USA</i>
<i>NIOSH:</i>	<i>National Institute for Occupational Safety</i>
<i>OSHA:</i>	<i>Occupational Safety & Health</i>
<i>PBT:</i>	<i>Persistent, Bioaccumulative, and Toxic</i>
<i>PEL:</i>	<i>Permissible Exposure Limit</i>
<i>REL:</i>	<i>Recommended Exposure Limit</i>
<i>Repr.:</i>	<i>Reproductive toxicity</i>
<i>RTECS:</i>	<i>Registry of Toxic Effects of Chemical Substances</i>
<i>Skin Irrit:</i>	<i>Skin corrosion/irritation</i>
<i>STOT/RE</i>	<i>Specific target organ toxicity/Repeated exposure</i>
<i>STOT/SE</i>	<i>Specific target organ toxicity/Single exposure</i>
<i>T3DB</i>	<i>Toxin and Toxin Target Database</i>
<i>TDLO</i>	<i>Toxic dose, least published</i>

16.6. End of SDS
[Sect.1](#)
[Sect.2](#)
[Sect.4](#)
[Sect.5](#)
[Sect.11](#)
[Sect.14](#)
[Sect.15](#)
[Sect.16](#)