

# Safety Data Sheet: *Hypericin*

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

Product identifiers			
Product name	<i>Hypericin</i>	Formula	$C_{30}H_{16}O_8$
Product Code	<i>H</i>	RTECS	<i>SF8472000</i>
CAS#	<i>548-04-9</i>	Molecular weight	<i>523.6</i>
EC Number#	<i>208-941-0</i>		

Intended uses of the substance or mixture and uses advised against	
Intended use	Uses advised against:
<b>Only for Research and/or Development</b>	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
<b>FERMENTEK Ltd</b> 4 Yatziv street, POB 47120 Jerusalem 97800, <b>Israel</b>	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	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

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.

## Section 2. Hazards identification

### Classification of the substance or mixture

#### GHS Classification:

Acute toxicity, Oral (Category 4), H302 /Harmful if swallowed/  
 H302 Skin sensitisation (Category 1), H317 /May cause an allergic skin reaction/

### GHS Label elements, including precautionary statements

Pictogram: {  } Signal word: { *Warning* }

<b>Hazard statement(s)</b>	H302 Harmful if swallowed. H317 May cause an allergic skin reaction.
<b>Precautionary statement(s)</b>	P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin 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. P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical attention. P363 Wash contaminated clothing before reuse. P501 Dispose of contents/ container to an approved waste disposal plant.

### Section 3. *Composition/information on ingredients*

#### Substance

Substance name:	<b>Hypericin</b>	
	CAS Registry #: <b>548-04-9</b>	EC#: <b>208-941-0</b>
	Molecular Formula: <b>C<sub>30</sub>H<sub>16</sub>O<sub>8</sub></b>	
	Concentration: ≤ 100%	

#### Mixture

Not mixture.

### Section 4. *First Aid Measures*

#### Description of First Aid Measures

<b>General advice:</b>	If medical attention is required, show this safety data sheet to the doctor.
<b>Eye contact:</b>	Wash with plenty of water.
<b>Skin Contact:</b>	Wash off with soap and plenty of water.
<b>Ingestion:</b>	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
<b>Inhalation:</b>	Medical attention may be required. If symptoms persist, call a physician
<b>Self-protection of the first aider:</b>	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.
<b>Note to physicians</b>	Treat symptomatically

### Section 5. *Fire-fighting measures*

#### Extinguishing media

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	None
<b>Hazardous combustion products</b>	Carbon oxides, Nitrogen oxides.
<b>Advice for firefighters</b>	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.

### Section 6. *Accidental release measures*

#### Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

#### Environmental precautions

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

#### 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

### 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.

### 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.

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

### Exposure controls

#### 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).
PPE Skin and Body Protection	Wear protective gloves and protective clothing.
PPE Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

## Section 9. Physical and chemical properties

### Physical / chemical properties

Physical State at room temperature	Solid / powder
Color	Black powder
Melting/freezing point	320°C with decomposition
No further safety relevant data are available	

## Section 10. Stability and reactivity

<b>Reactivity:</b>	No information available.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks. Sunlight.
<b>Incompatible materials</b>	Strong reducers and oxidizers
<b>Possibility of Hazardous Reactions</b>	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	No data available
Inhalation	No data available
Serious eye damage/eye irritation:	No data available
Skin corrosion/irritation:	No data available
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Respiratory or skin sensitization:	Causes photosensitivity. Exposure to light can result in allergic reactions resulting in dermatologic lesions, which can vary from sunburnlike responses to edematous, vesiculated lesions, or bullae
Germ cell mutagenicity:	No data available
Reproductive toxicity / Teratogenicity:	No data available
Aspiration hazard:	No data available
Additional information:	RTECS: <b>548-04-9</b>

## Section 12. Ecological Information

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

## Section 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

## Section 14. Transport information

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

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>
UN proper shipping name				
Transport Hazard Class & Packing Group	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>

## Section 15. Regulatory information

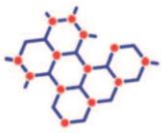
Safety, health and environmental regulations/legislation	
USA EPA / TSCA	This product is not listed on the USA EPA TSCA
EU ECHA Status	This product is not registered with the EU ECHA
CA: DSL/NDSL Status	This product is not listed on the Canadian DSL/NDSL

## Section 16. Other information

Date of revision: 28 May 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  
7 jul-2017

