



## Safety Data Sheet: Swainsonine | Fermentek

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

#### 1.1 Product identifier

CAS # **RN 72741-87-8**  
Product name: **Swainsonine | Fermentek**  
Product Code **SW**

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

##### Recommended use:

Laboratory chemicals,  
Manufacture of substances,  
Research.

##### 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 Ltd

4 Yatziv street  
POB 47120  
Jerusalem 97800,  
Israel

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

Tel: +972 2 5853953  
Fax: +972 2 5853943  
eMail: fermentek@fermentek.com  
Website: www.fermentek.com

#### 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 Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302 *Harmful if swallowed*  
Acute toxicity, Dermal (Category 4), H312 *Harmful if in contact with skin*  
Acute toxicity, Inhalation (Category 4), H332 *Harmful if inhaled*

### 2.2 GHS Label elements

Pictogram  
Signal word

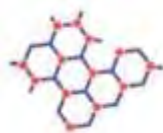


Warning

#### Hazard statements

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled





### Precautionary statements

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.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ protective clothing.
P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P322	Specific measures (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents & containers to an approved waste disposal plant.

### 2.3 Other hazards

None.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

Synonyms:	(1S,2R,8R,8aR)-1,2,8-Octahydroindolizidinetriol
Formula:	C <sub>8</sub> H <sub>15</sub> NO <sub>3</sub>
Molecular Weight:	173.2
CAS-No. :	72741-87-8
Chemical characterization:	Natural product; extracted from plant

### 3.2 Mixture

Not mixture. This substance is considered a pure compound.

## 4. First Aid Measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available



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## 5. Fire-fighting measures

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### 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

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

No data available

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## 6 Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Evacuate personnel to safe areas.

For personal protection see section 8.

### 6.2 Environmental precautions

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

### 6.3 Methods and materials for containment and cleaning up

(If powders or other solids spilled) Pick up and arrange disposal without creating dust. Sweep up and shovel.

(If solutions or liquids spilled ) Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal. (see section 13)

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## 7. Handling and storage

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### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Avoid exposure - obtain special instructions before use.

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

### 7.2 Conditions for safe storage, including any incompatibilities.

Store in cold and dry place.

Keep container tightly closed in a dry and well-ventilated place.

The product is light sensitive.

### 7.3 Specific end uses

Specific uses:

See section 1.2

Exposure scenario:

No information available.



## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

Occupational exposure limit values not established .

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with common industrial hygiene and safety practices. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

#### Personal protective equipment

##### 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 should 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

Form: beige powder, lyophilized

Further information which is relevant to classification

None 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

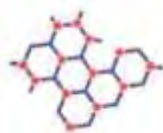
Heat, flames and sparks

Incompatible materials

Strong reducers and oxidizers

Hazardous decomposition products:

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides.



## 11. Toxicological information

### 11.1 Information on toxicological effects,

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity/IARC:	
IARC:	Not identified as probable, possible or confirmed human carcinogen This substance is not identified as human carcinogen. This substance is not a known to be a Mutagene, Teratogene, and/or Genetoxic.
Additional information:	RTECS: NM2408666

## 12. Ecological Information

For this product, no information relevant for Ecological classification, is available

### 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:	No information available, as PBT/vPvB assessment has not carried out; 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.
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## 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

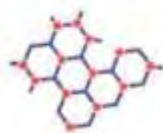
## 14. Transport information

14.1 UN number:	Not classifiable.
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### 14.2 UN proper shipping name

US DOT:	Not dangerous goods
ADR/RID:	Not dangerous goods
IMDG:	Not dangerous goods
IATA:	Not dangerous goods





## 15. Regulatory information

### USA legislation

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

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

#### HMIS Rating:

Health hazard: 2

## 16: Other information

### 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**\*\*\*\*\*

*Swainsonine Code 15  
Revision by Mgas on 21.may.2019 Product name Swainsonine*

