

# Safety Data Sheet: Helvolic acid | Fermentek

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

Product identifiers	
Product name	Helvolic acid   Fermentek
Product Code	HV
CAS #	29400-42-8
EC/ REACH Number	
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	
<b>FERMENTEK Ltd</b> 4 Yatziv street, POB 47120 Jerusalem 97800, Israel	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	
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	
<b>REACH</b>	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

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

### GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### GHS Label elements, including precautionary statements

Pictogram:	none	Signal word	{Not classified}
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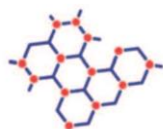
GHS Hazard Statements Not classified

### GHS Precautionary Statements

Precautionary Statements \Prevention Wash hands thoroughly after handling  
Precautionary Statements \Response IF exposed or concerned: Get medical advice/attention

### Unclassified Hazards/Hazards Not Otherwise Classified

No data available



### 3. Composition/information on ingredients

#### Substance

Molecular Formula:	C <sub>33</sub> H <sub>44</sub> O <sub>8</sub>
Molecular Weight:	568.70
CAS Registry #:	29400-42-8
EC#:	Not listed
Synonyms	Helvolic acid Fumigacin

#### Mixture

Not mixture. This product is a pure compound

### 4. First Aid Measures

<b>General advice</b>	Consult a physician if necessary. Remove to fresh air
<b>Skin Contact</b>	Wash skin with soap and water
<b>Eye contact:</b>	Flush with plenty of water
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Clean mouth with water.
<b>Inhalation:</b>	Remove to fresh air If breathing is difficult, give oxygen If not breathing, give artificial respiration
<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>Most important symptoms and effects, both acute and delayed</b>	
<b>Most important symptoms</b>	No information available.
<b>Indication of any immediate medical attention and special treatment needed</b>	
<b>Note to physicians</b>	Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special hazards arising from the substance or mixture</b>	Carbon oxides.
<b>Advice for firefighters</b>	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit
<b>Further information</b>	No data available

### 6. Accidental release measures

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

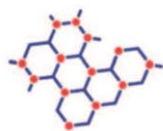
**Personal precautions** Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

#### Environmental precautions

**Environmental precautions** See part 12

#### 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

### 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.

Incompatible materials:

None known based on information available.

## 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

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice.

#### 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.

[PPE=Personal Protection Equipment]

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).

PPE: Hand Protection:

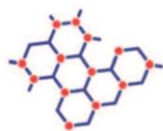
Handle with gloves. Inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands.

PPE: Eye Protection:

Use 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:

Handle with gloves. Wear protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. When deemed needed according to the concentration and amount of this product, use a complete body suit.



## 9. Physical and chemical properties

### Physical / chemical properties

Physical State at room temperature	Solid / powder
Color	Off White
Melting/freezing point	240-260°C

***No further safety-relevant information is available***

## 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
<b>Incompatible materials</b>	Strong reducers and oxidizers
<b>Possibility of Hazardous Reactions</b>	None under normal processing
<b>Hazardous decomposition products:</b>	Carbon monoxide CO, Carbon dioxide (CO <sub>2</sub> ).

## 11. Toxicological information

### Information on toxicological effects

#### Information on likely routes of exposure

Inhalation	No data available.
Eye contact .	No data available.
Skin Contact .	No data available.
Ingestion	No data available.

#### Information on toxicological effects

Symptoms	No information available
Chronic Toxicity	No information available

## 12. Ecological Information

<b>Eco-Toxicity</b>	May cause long lasting harmful effects to aquatic life
<b>Other adverse effects</b>	No further relevant information available.

## 13. Disposal Considerations

### Waste treatment methods

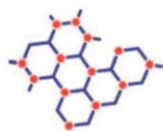
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations
<b>Contaminated packaging</b>	Dispose of as unused product

## 14. Transport information

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

	US DOT	ADR/RID:	IMDG:	IATA
<b>UN Number</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>UN proper shipping name</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport Hazard Class</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods





& Packing Group

Not regulated

Not regulated

Not regulated

Not regulated

## 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

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

## 16. Other information

Date of revision: 11 January 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