



## MSDS FORSKOLIN 1 of 6

### Section 1 - Product and Company Information

Product Name : Forskolin  
Company FERMENTEK

### Section 2 - Composition/Information on Ingredient

**Substance Name:** Forskolin  
**EINECS/ELINCS:** 266-410-9  
**CAS:** 66575-29-9  
**Formula:** C34H50O12  
**RTECS Number:**

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

<b>Appearance</b>	white to off-white powder.
<b>Caution!</b>	May cause eye and skin irritation. May cause respiratory and digestive tract irritation.
<b>Target Organs</b>	Smooth muscle.

#### Potential Health Effects

<b>Eye</b>	May cause eye irritation.
<b>Skin</b>	May cause skin irritation. May cause erythema (redness) and edema (fluid buildup) with crusting and scaling.
<b>Ingestion</b>	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Chronic</b>	No information found.

### Section 4 - First Aid Measures

**Oral exposure** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water

**Inhalation exposure** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Dermal exposure** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Eye exposure** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician.



## MSDS FORSKOLIN 2 of 6

### Section 5 - Fire Fighting Measures

<b>General Information</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.
<b>Extinguishing Media</b>	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam
<b>Flash Point</b>	Not applicable.
<b>Autoignition Temperature</b>	Not applicable.
<b>Explosion Limits, Lower</b>	Not available
<b>Upper</b>	Not available.
<b>NFPA Rating (estimated)</b>	Health: 1; Flammability: 0; Instability: 0

### Section 6 - Accidental Release Measures

<b>General Information</b>	Use proper personal protective equipment as indicated in Section 8
<b>Spills/Leaks</b>	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation

### Section 7 - Handling and Storage

<b>Handling</b>	Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation
<b>Storage</b>	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store at 0°C or below.

### Section 8 - Exposure Controls / Personal protection

<b>Engineering Controls</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low
-----------------------------	---

# FERMENTEK Ltd.

25 Yaziv st, POB 47120 Jerusalem 97800, Israel  
Tel: +972 2 5853953 Fax: +972 2 5853943  
eMail: sales@fermentek.com Website: www.fermentek.co.il



## MSDS FORSKOLIN 3 of 6

Exposure Limits	ACGIH	NIOSH	OSHA - Final PELs
	none listed	none listed	none listed
<b>OSHA Vacated PELs</b>	Forskolin: No OSHA Vacated PELs are listed for this chemical.		
<b>Personal Protective Equipment</b>	<p><b>Eyes:</b> Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.</p> <p><b>Skin:</b> Wear appropriate protective gloves to prevent skin exposure.</p> <p><b>Clothing:</b> Wear appropriate protective clothing to prevent skin exposure.</p> <p><b>Respirators:</b> A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use</p>		

## Section 9 - Physical/Chemical Properties

<b>Physical State</b>	Powder
<b>Appearance</b>	white to off-white
<b>Odor</b>	none reported
<b>Melting Point</b>	228-230C
<b>Molecular Formula</b>	C22H34O7
<b>Molecular Weight</b>	410.2338

## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Conditions to Avoid</b>	Temperatures above recommended temperatures, incompatible materials, dust generation, excess heat.
<b>Incompatibilities with Other Materials</b>	Oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
<b>Hazardous Polymerization</b>	Has not been reported

## Section 11 - Toxicological Information

<b>RTECS#</b>	
<b>CAS# 66575-29-9</b>	QL6150000
<b>LD50/LC50</b>	CAS# 66575-29-9
<b>Oral, mouse</b>	LD50 = 3100 mg/kg;
<b>Oral, rat</b>	LD50 = 2550 mg/kg;
<b>Carcinogenicity</b>	CAS# 66575-29-9
<b>Not listed by ACGIH,</b>	

# FERMENTEK Ltd.

25 Yaziv st, POB 47120 Jerusalem 97800, Israel  
Tel: +972 2 5853953 Fax: +972 2 5853943  
eMail: sales@fermentek.com Website: www.fermentek.co.il



## MSDS FORSKOLIN 4 of 6

<b>IARC, NTP, or CA Prop 65.</b>	
<b>Epidemiology</b>	No information found
<b>Teratogenicity</b>	No information found
<b>Reproductive Effects</b>	No information found
<b>Mutagenicity</b>	No information found
<b>Neurotoxicity</b>	No information found.

### Section 12 - Ecological Information

No data available.

### Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### Section 14 - Transport Information

	<b>US DOT</b>	<b>Canada TDG</b>
<b>Shipping Name:</b>	<b>Not regulated as a hazardous material</b>	<b>No information available.</b>

### Section 15 - Regulatory Information

#### US FEDERAL

##### TSCA

CAS# 66575-29-9 is not listed on the TSCA inventory. It is for research and development use only.

##### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

##### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

##### Section 12b

None of the chemicals are listed under TSCA Section 12b.

##### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

##### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

##### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

##### Section 313

No chemicals are reportable under Section 313.

##### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

##### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the

# FERMENTEK Ltd.

25 Yaziv st, POB 47120 Jerusalem 97800, Israel  
Tel: +972 2 5853953 Fax: +972 2 5853943  
eMail: sales@fermentek.com Website: www.fermentek.co.il



## MSDS FORSKOLIN 5 of 6

---

### CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

### STATE

CAS# 66575-29-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

### California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

## European/International Regulations

### European Labeling in Accordance with EC Directives

#### Hazard Symbols:

Not available.

#### Risk Phrases:

#### Safety Phrases:

- S 37 Wear suitable gloves.
- S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S 28A After contact with skin, wash immediately with plenty of water

### WGK (Water Danger/Protection)

CAS# 66575-29-9: No information available.

### Canada - DSL/NDSL

None of the chemicals in this product are listed on the DSL or NDSL list.

### Canada - WHMIS

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

### Canadian Ingredient Disclosure List

# FERMENTEK Ltd.

25 Yaziv st, POB 47120 Jerusalem 97800, Israel  
Tel: +972 2 5853953 Fax: +972 2 5853943  
eMail: sales@fermentek.com Website: www.fermentek.co.il

---

**MSDS FORSKOLIN** 6 of 6

---



## Section 16 - Other Information DISCLAIMER

*For R&D use only. Not for drug, household or other uses.*

### WARRANTY

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. FERMENTEK shall not be held liable or any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.*