

According to Regulation (EC) No 1907/2006

# Vitamin E powder (DL-alpha-Tocopherol acetate)



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name**

Vitamin E powder (DL-alpha-Tocopherol acetate)

**CAS number**

7695-91-2

**EC number**

692-041-1

**Synonyms**

3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate

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

**Relevant identified uses**

Research and development.

**Not suitable for use in**

Not suitable for human consumption or veterinary purposes.

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

Molekula Group

Street address

Molekula Ltd, Lingfield Way, Darlington,  
DL1 4XX Darlington  
United Kingdom

Telephone

+44 (0) 3302 000 333

Email

info@molekula.com

Web site

www.molekula.com

**Contact person**

Kevin Banks

**Email address**

+44 (0) 7769276927

### 1.4. Emergency telephone number

**Poison center/Additional emergency number**

0344 892 0111 - National Poisons Information Service (Newcastle Centre)

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Hazard statements

H413

### 2.2. Label elements

#### Hazard statements

H413 May cause long lasting harmful effects to aquatic life.

#### Precautionary statements

P273 Avoid release to the environment.

### 2.3. Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Vitamin E powder (DL-alpha-Tocopherol acetate)	7695-91-2 692-041-1 - -	100%	-	H413 - -	-

#### Molecular weight

472.74

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Move to fresh air if inhaled.

Get medical attention if any discomfort continues.

#### Skin contact

Rinse skin with water.

If skin irritation or rash occurs: Get medical advice/attention.

#### Eye contact

Remove contact lenses if present. Rinse eyes with water.

If eye irritation persists: Get medical advice/attention.

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## Ingestion

Rinse mouth.

Get medical advice/attention if you feel unwell.

## Information for doctors

No data available.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

## Inhalation

May cause respiratory irritation.

## Skin contact

Prolonged contact may cause dryness of the skin.

## Eye contact

May be slightly irritating to the eyes.

## Ingestion

May cause discomfort if swallowed.

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

Treat symptomatically. No special treatment requirement.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Use carbon dioxide or dry powder to extinguish.

#### Unsuitable extinguishing media

No specific fire fighting procedure given.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards: None.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Evacuate area. Avoid breathing gas, fume, vapours or spray. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

## SECTION 6: Accidental release measures

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

No specific recommendations. For personal protection, see section 8.

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## 6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground. See section 12.

## 6.3. Methods and material for containment and cleaning up

Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

## 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

For precautions see section 2.2.

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

Store in a dry place. Store in a closed container. Recommended storage temperature: 2 to 8°C (35.6 to 46.4°F )

### 7.3. Specific end use(s)

No specific usage precautions noted.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits

No occupational exposure limit assigned.

### 8.2. Exposure controls

#### Eye / face protection

Wear eye protection.

#### Hand protection

Wear protective gloves. Nitrile gloves are recommended. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

Wash contaminated skin thoroughly after handling.

#### Other skin protection

Wash skin thoroughly after handling.

#### Respiratory protection

Provide adequate ventilation.

#### Environmental exposure controls

Avoid discharge into drains.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

No data available

#### Odour

No data available

#### Melting point / freezing point

-26 °C / -14.8 °F

#### Boiling point or initial boiling point and boiling range

> 300 °C / 572 °F

#### Flammability

No data available

#### Lower and upper explosion limit

No data available

#### Flash point

210 °C

#### Auto-ignition temperature

No data available

#### Decomposition temperature

No data available

#### pH

No data available

#### Kinematic viscosity

No data available

#### Solubility

No data available

#### Partition coefficient n-octanol/water

No data available

#### Vapour pressure

No data available

#### Density and/or relative density

0.96 g/cm<sup>3</sup>

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## Relative vapour density

No data available

## Particle characteristics

No data available

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under the prescribed storage conditions. Light sensitive.

### 10.3. Possibility of hazardous reactions

There are no known conditions that are likely to result in a hazardous situation.

### 10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

Strong oxidising agents.

### 10.6. Hazardous decomposition products

See section 5.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Test animals
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	Acute Toxicity (Oral LD50):	10,000mg/kg	Rat
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	Acute Toxicity (Dermal LD50):	3,000 mg/kg	Rat

#### Skin corrosion/irritation

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Product / Substance name CAS / EC no.	Result	Duration of exposure	Species
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	No skin irritation.	4 hours	Rabbit

## Serious eye damage/irritation

Product / Substance name CAS / EC no.	Result	Species
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	No eye irritation.	Rabbit

## Respiratory or skin sensitisation

Product / Substance name CAS / EC no.	Result	Species
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	Not a skin sensitiser.	Guinea Pig

## Germ cell mutagenicity

Product / Substance name CAS / EC no.	Result	Species
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	Negative.	Mouse

## Carcinogenicity

Based on available data, the classification criteria are not met.

## Reproductive toxicity

Based on available data, the classification criteria are not met.

## STOT-single exposure

Based on available data, the classification criteria are not met.

## STOT-repeated exposure

Based on available data, the classification criteria are not met.

## Aspiration hazard

Based on available data, the classification criteria are not met.

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## 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	ErC50	>27.8 mg/l	72 hours	Pseudokirchneriella subcapitata Freshwater algae:
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	EC50	>20.6 mg/l	48 hours	Daphnia magna
Vitamin E powder (DL-alpha-Tocopherol acetate) 7695-91-2 / 692-041-1	LC50	11 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

Dispose of contents/container in accordance with local regulations.



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## SECTION 14: Transport information

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only.

#### National regulations

No data available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

#### Phrase meaning

H413 May cause long lasting harmful effects to aquatic life.