

Trade name: Vitamin E Oil Acetate USP/EP**Product no.:** SUN007695-91-2 / 0,98**Current version :** 7.1.1, issued: 27.04.2012**Replaced version:** 7.1.0, issued: 15.03.2012**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Vitamin E Oil Acetate USP/EP****Identification numbers**

CAS no. 7695-91-2

EC no. 231-710-0

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

pharmaceutical raw material for food-, pharma- and cosmetic industry

1.3 Details of the supplier of the safety data sheet**Address**Sunvit GmbH
Papenkamp 1
D-21357 Bardowick

Telephone no. +49-4131-400 46 25

Fax no. +49-4131-400 46 39

Information provided by / telephone

Tel.: +49 (4131) 400460; Fax.: +49 (4131) 400 46 39

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive 67/548/EC (DSD)

2.2 Label elements

Not relevant

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances****Chemical characterization**

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

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3.2 Mixtures

Not applicable. The product is not a mixture.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely. In case of breathing difficulties, give oxygen.

After inhalation

Summon a doctor immediately. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off immediately with soap and water. Seek medical attention.

After eye contact

In case of contact with eyes rinse thoroughly with copious amounts of water and seek medical advice.

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After ingestion

Seek medical attention. If swallowed give water to drink. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Carbon dioxide; Dry chemical extinguisher; Foam

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Combustion products of this material have to be classed invariably as respiratory poison. In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protective clothing.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). Avoid eye, skin and clothing contact.

General protective and hygiene measures

Do not inhale vapours. Avoid contact with eyes and skin. Wash thoroughly after work.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed. Keep container tightly closed, cool and dry.

Advice on storage assembly

Do not store together with oxidizing agents.

7.3 Specific end use(s)

No data available.

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

No parameters available for monitoring.

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment**Respiratory protection**

If ventilation insufficient, use a respiratory protection apparatus. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

Hand protection

Protective gloves (EN 374); Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material

nitrile

Material thickness

>

0,3

mm

Other

Protective clothing

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Form/Colour**

Liquid; Viscous

yellowish

Odour

slightly perceptible

Odour threshold

No data available

pH value

No data available

Boiling point / boiling range

Value

443 °C

Melting point / melting range

Value

-27,5 °C

Decomposition point / decomposition range

No data available

Flash point

Value

>

110 °C

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Auto-ignition temperature

No data available

Oxidising properties

No data available

Explosive properties

No data available

Flammability (solid, gas)

No data available

Lower flammability or explosive limits

No data available

Upper flammability or explosive limits

No data available

Vapour pressure

No data available

Vapour density

No data available

Evaporation rate

No data available

Relative density

No data available

Density

Value	0,95 g/cm ³
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Solubility in water

Remarks	insoluble
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Solubility(ies)

No data available

Partition coefficient: n-octanol/water

log Pow	3,2
Method	calculated
Source	BASF

Viscosity

No data available

9.2 Other information**Other information**

No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition products

Carbon monoxide; Carbon dioxide

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute oral toxicity		
LD50	5000	mg/kg
Species	rat	
Source	Merck	
Acute dermal toxicity		
Remarks	No data available.	
Acute inhalational toxicity		
Remarks	No data available.	
Skin corrosion/irritation		
Species	rabbit	
Source	Merck	
Evaluation	non-irritant	
Serious eye damage/irritation		
Species	rabbit	
Source	Merck	
Evaluation	non-irritant	
Respiratory or skin sensitisation		
No data available		
Germ cell mutagenicity		
Type of examination	Ames-Test	
Source	Merck	
Evaluation	negative	
Reproduction toxicity		
No data available		
Carcinogenicity		
No data available		
STOT-single exposure		
No data available		
STOT-repeated exposure		
No data available		
Aspiration hazard		
No data available		
Delayed and immediate effects as well as chronic effects from short and long-term exposure		
By appropriate use of the product no health damage is known.		
Other information		
Exercise customary precautions when handling chemicals.		

SECTION 12: Ecological information**12.1 Toxicity**

Fish toxicity			
LC50	>	1000	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	DIN 38412 Part 15		
Source	BASF		
Remarks	The product was tested above its maximum solubility.		
Remarks	The details of the toxic effect relate to the nominal concentration.		
Daphnia toxicity			
EC50	>	500	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	79/831/EEC		
Source	BASF		
Remarks	The product is slightly soluble in the test medium. An aqueous preparation produced with the aid of solubilizers was tested.		
Remarks	The details of the toxic effect relate to the nominal concentration.		

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Algae toxicity			
Remarks		No data available.	
Bacteria toxicity			
EC10	>	1000	mg/l
Duration of exposure		30	min
Species	Pseudomonas putida		
Method	DIN 38412 T.27		
Remarks	The details of the toxic effect relate to the nominal concentration.		
EC20		900	mg/l
Duration of exposure		30	min
Species	activated sludge		
Method	ISO 8192		
Source	BASF		

12.2 Persistence and degradability

Biodegradability			
Type	BOD of the ThOD		
Value		39	%
Duration		28	d
Source	BASF		
Remarks	The product is not readily biodegradable according to OECD criteria but is inherently biodegradable.		
Evaluation	Moderately/partially biodegradable		
Remarks	The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)	
Remarks	Not potentially bioaccumulative.
Partition coefficient: n-octanol/water	
log Pow	3,2
Method	calculated
Source	BASF

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information	
Do not discharge product unmonitored into the environment.	

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Further information

The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

Authors responsible for the compilation of the material safety data sheet: UMCO Umwelt Consult GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 183, Tel.: +49(40)79 02 36 300, Fax: +49(40)79 02 36 357, e-mail: umco@umco.de.

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.