

Trade name: Vitamin E Acetate Pharma

Substance number: 782625

Version: 1 / CH

Date revised: 19.06.2023

Replaces Version: - / CH

Print date: 19.06.23

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

1.1. Product identifier

Vitamin E Acetate Pharma

Item No. 78262505

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

Use of the substance/preparation

Manufacture of pharmaceutical products, Manufacture of cosmetics, food industry

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

Molecular weight

Value	472.75	g/mol
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Further ingredients

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

CAS No. 7695-91-2

EINECS no. 231-710-0

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Remove the casualty into fresh air and keep him calm.

After skin contact

Wash off immediately with soap and water and rinse well.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Rinse out mouth and give plenty of water to drink.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish greater fire with water spray or alcohol-resistant foam. Carbon dioxide, Dry powder

Non suitable extinguishing media

Full water jet

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Wear protective equipment. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr). For tall amounts: Take up mechanically and collect in suitable container for disposal. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if used correctly. Take action to prevent static discharges. Keep away from heat and sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place.

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Derived No/Minimal Effect Levels (DNEL/DMEL)

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

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	73.5	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	416.6	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	21.7	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	250	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	12.5	mg/kg

Predicted No Effect Concentration (PNEC)

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

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Type of value	PNEC	
Type	Freshwater	
Concentration	0.27	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0.027	mg/l
Type of value	PNEC	
Conditions	Intermittend	
Concentration	0.27	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	212000	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	21200	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	74800	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	100	mg/l

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. General industrial hygiene practice. At work do not eat, drink, smoke or take drugs. Wash hands and face after work. Store work clothing separately.

Respiratory protection

Breathing apparatus in the event of vapours. Breathing apparatus in the event of aerosol or mist formation. Particle filter P2; Particle filter half mask, filter FFP2 - Norm DIN EN 149

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

Protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid, oily
Colour	colourless to yellowish
Odour	almost odourless
Melting point	

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Value	<	-20	°C
Boiling point or initial boiling point and boiling range			
Remarks	not determined		
Flash point			
Value		257	°C
Method	DIN EN 22719 / ISO 2719		
Ignition temperature			
Value		382	°C
Decomposition temperature			
Value	>	430	°C
Method	DIN 51007		
Viscosity			
kinematic			
Value		5.706	mm ² /s
Temperature		20	°C
Method	OECD 114		
Value		701	mm ² /s
Temperature		40	°C
Method	OECD 114		
Partition coefficient n-octanol/water (log value)			
log Pow		12.25	
Temperature		25	°C
Vapour pressure			
Value	<	0.00000	hPa
		1	
Temperature		25	°C
Density and/or relative density			
Value		0.98	g/cm ³
Temperature		20	°C
Relative vapour density			
Value	appr.	16	
Temperature		20	°C

9.2. Other information**Solubility in water**

Value	<	0.8	mg/l
Temperature		20	°C
Method	OECD 105		

Other information

The product is not dangerous for explosions.

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

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

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10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

Alkalies, Oxidising agents

10.6. Hazardous decomposition products

None

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

Remarks None

Acute oral toxicity (Components)**3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate**

Species	rat	
LD50	> 10000	mg/kg
Method	BASF-test	

Acute dermal toxicity

Remarks None

Acute dermal toxicity (Components)**3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate**

Species	rat	
LD50	> 3000	mg/kg
Method	OECD 402	

Skin corrosion/irritation (Components)**3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate**

evaluation	non-irritant
Method	OECD 404

Serious eye damage/irritation (Components)**3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate**

evaluation	non-irritant
Method	OECD 405

Sensitization (Components)**3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate**

evaluation	non-sensitizing
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Reproduction toxicity (Components)**3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate**

evaluation	Based on available data, the classification criteria are not met.
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Carcinogenicity (Components)**3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate**

Remarks	None
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11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information

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12.1. Toxicity

Fish toxicity (Components)

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

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	>	11	mg/l
Method	OECD 203		

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

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
NOEC	>	100	mg/l
Duration of exposure	28	d	
Method	OECD 215		

Daphnia toxicity (Components)

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

Species	Daphnia magna		
EC50	>	20.6	mg/l
Method	OECD 202		

Algae toxicity (Components)

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

Species	Pseudokirchneriella subcapitata		
EC50	>	27.8	
Method	OECD 201		

Bacteria toxicity (Components)

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

Species	activated sludge		
EC20	>	927	mg/l
Duration of exposure	30	min	

12.2. Persistence and degradability

Biodegradability (Components)

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate	
evaluation	Moderately/partially biodegradable

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

log Pow	12.25
Temperature	25 °C

12.4. Mobility in soil

Mobility in soil (Components)

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate	
Adsorbs on soil.	

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The Substance does not meet PBT-criteria.
This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

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SECTION 13: Disposal considerations**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.