

Trade name: Tocopherolum (alpha)

Substance number: 162650

Version: 3 / CH

Date revised: 17.12.2018

Replaces Version: 2 / CH

Print date: 20.03.23

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

1.1. Product identifier

Tocopherolum (alpha)

Item No. 16265003

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

Use of the substance/preparation

Additive, Stabilizer for cosmetic formulations, food additive, Manufacture of pharmaceutical products

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

Classification (Regulation (EC) No. 1272/2008)

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Skin Sens. 1B H317

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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P501.3

Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains

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

SECTION 3: Composition/information on ingredients**Hazardous ingredients****3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol**

CAS No. 10191-41-0

EINECS no. 233-466-0

Registration no. 01-2120086658-39

Concentration \geq 50 %

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1B H317

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

Remove affected person from danger area, lay him down. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Remove contact lenses. By continuous complaints consult a physician.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Take medical treatment.

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

Nausea, Vomiting, Diarrhoea, Weakness

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, Dry chemical extinguisher, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

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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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Advise water authority if spillage has entered water course or drainage system. Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Send in suitable containers for recovery or 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**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothing. For personal protection see Section 8. Smoking, eating and drinking should be prohibited in application area.

Advice on protection against fire and explosion

Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value 3 15 °C

Further information on storage conditions

Protect from light. Keep under inert gas. Keep containers tightly closed in a dry, cool and well-ventilated place. Observe label precautions.

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

Contains no substances with occupational exposure limit values.

8.2. Exposure controls**General protective and hygiene measures**

General industrial hygiene practice. Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus in the event of vapours.

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.

Appropriate Material nitrile rubber - NBR

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Eye protection

Safety glasses with side protection shield

Body protection

Personnel should wear protective clothing.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state**

Viscous

Colour

colourless to yellowish

Odour

odourless

Melting point

Value 2.5 to 3.5 °C

Boiling point or initial boiling point and boiling range

Value appr. 393 °C

Pressure 1013 hPa

Flash point

Value 301 °C

Method DIN EN 22719 / ISO 2719

Ignition temperature

Value 403 °C

Method DIN 51794

pH value

Remarks No data available

Viscosity

Value 5174 mPa.s

Temperature 20 °C

Solubility(ies)

Ethanol

Remarks soluble

Trichloromethane (Chloroform)

Remarks soluble

Acetone

Remarks soluble

Diethyl ether

Remarks soluble

oil

Remarks soluble

Partition coefficient n-octanol/water (log value)

log Pow 12.2

Method calculated

Vapour pressure

Value < 0.001 hPa

Temperature 20 °C

Density and/or relative densityValue 0.95 g/m³

Temperature 25 °C

Relative vapour density

Remarks not determined

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9.2. Other information**Odour threshold**

Remarks No data available

Evaporation rate

Remarks not determined

Solubility in water

Value	< 1	mg/l
Temperature	20 °C	
Remarks	virtually insoluble	

Other information

The product is not dangerous for explosions.

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

None

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

Protect from light and atmospheric moisture. Heat

10.5. Incompatible materials

Oxidising agents, oxygen, Compounds of iron (III), Silvercompounds, Strong bases, Reactions with acids.

10.6. Hazardous decomposition products

No hazardous decomposition products known when handled according to prescribed instructions.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol**

Species	rat	
LD50	> 4000	mg/kg

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

Species	rat	
LD50	> 3000	mg/kg

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

Species	rabbit	
evaluation	Moderately irritating	

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

Species	rabbit	
evaluation	slightly irritant	
Method	Draize method	

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Sensitization (Components)

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 evaluation sensitizing
 Method OECD 406

Mutagenicity (Components)

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 evaluation No mutagenicity according to various in vitro tests.

SECTION 12: Ecological information**12.1. Toxicity****Daphnia toxicity (Components)**

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 Species Daphnia magna
 EC50 > 100 mg/l
 Method OECD 201

Algae toxicity (Components)

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 Species Pseudokirchneriella subcapitata
 ErC50 > 26 mg/l
 Duration of exposure 48 h
 Method OECD 201

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 Species Pseudokirchneriella subcapitata
 NOEC 26 mg/l

Bacteria toxicity (Components)

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 Species activated sludge
 100 mg/l
 Method OECD 301 F

12.2. Persistence and degradability**Biodegradability (Components)**

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 Value 8 %
 Duration of test 28 d
 evaluation not readily degradable
 Method OECD 301F

3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol
 Value 70 to 80 %
 Duration of test 63 d
 evaluation biodegradable
 Method OECD 301F
 Source öffentlich zugängliche Daten

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow 12.2
 Method calculated

SECTION 13: Disposal considerations

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13.1. Waste treatment methods**Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

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**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H317 May cause an allergic skin reaction.

CLP categories listed in Chapter 3

Skin Sens. 1B Skin sensitization, Category 1B

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.