

Trade name: Propylis parahydroxybenzoas

Substance number: 067424

Version: 5 / CH

Date revised: 30.01.2024

Replaces Version: 4 / CH

Print date: 30.01.24

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

1.1. Product identifier

Propylis parahydroxybenzoas

Item No. 06742400

Substance / product identification

CAS-No. 94-13-3

EINECS-No. 202-307-7

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

Use of the substance/preparation

Manufacture of cosmetics, 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)

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

Aquatic Chronic 3 H412

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 statements ***

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements ***

P273 Avoid release to the environment.

P501.3 Disposal in compliance with local and national regulations.

2.3. Other hazards

No special hazards have to be mentioned.

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 ***

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Molecular weight

Value 180.22 g/mol

Hazardous ingredients *****Propyl 4-hydroxybenzoate**

CAS No.	94-13-3	
EINECS no.	202-307-7	
Registration no.	01-2119969462-29	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)	Aquatic Chronic 3	H412

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

Water spray jet, Alcohol-resistant foam, Carbon dioxide, Dry powder

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear full protective suit.

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

Use personal protective clothing. Avoid contact with eyes and skin. Ensure adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

In case the product spills into sewage waters, immediately inform the authorities. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Send in suitable containers for recovery or disposal.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid the formation and deposition of dust. Smoking, eating and drinking should be prohibited in application area.

Advice on protection against fire and explosion

Dust can form an explosive mixture with air. Take action to prevent static discharges. Keep away from sources of heat and ignition.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original packaging. Provide acid-resistant floor.

Hints on storage assembly

Not required.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Derived No/Minimal Effect Levels (DNEL/DMEL)

Propyl 4-hydroxybenzoate

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	43.47	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	43.47	mg/m ³

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	88.2	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	

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Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	338	mg/kg/d
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	675.6	mg/kg/d

8.2. Exposure controls

General protective and hygiene measures

Avoid contact with skin and eyes. Do not breathe dust. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Preventative skin protection.

Respiratory protection

Particle filter P1; EN 143

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; Eye protection must comply with EN 166.

Body protection

protective overalls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	characteristic
Physical state	Powder
Melting point	
Value	96 to 99 °C
Boiling point or initial boiling point and boiling range	
Value	290 to 350 °C
Upper and lower explosive limits	
Remarks	Not applicable
Flash point	
Value	°C
Remarks	Not applicable
Decomposition temperature	
Value	388 °C
Remarks	No decomposition if used as prescribed.
Method	DSC
Remarks	Stable up to melting point.
pH value	

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Value 3 to 4.5

Partition coefficient n-octanol/water (log value)

Reference substance Propyl 4-hydroxybenzoate

pOW 2.8

Vapour pressureValue 0.00000 kPa
03**Density and/or relative density**Value 1.287 g/cm³
Temperature 20 °C**9.2. Other information****Solubility in water**

Value 0.5 g/l

Other information

The product is non-combustible.

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

No decomposition if stored and applied as directed.

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.

10.4. Conditions to avoid

Avoid dust formation. Keep away from sources of heat and ignition. Protect from light and atmospheric moisture.

10.5. Incompatible materials

Strong oxidising agents, Alkaline metals, Acids

10.6. Hazardous decomposition products

In the event of fire the following can be released: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information *****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****Propyl 4-hydroxybenzoate**Species rat
LD50 > 5000 mg/kg
Method OECD 401**Propyl 4-hydroxybenzoate**Species rat (female)
LD50 > 15000 mg/kg
Method OECD 401**Acute inhalative toxicity (Components)****Propyl 4-hydroxybenzoate**

Remarks Irritating to respiratory system.

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Skin corrosion/irritation (Components)**Propyl 4-hydroxybenzoate**

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

Serious eye damage/irritation (Components)**Propyl 4-hydroxybenzoate**

Species mammal, species unspecified

evaluation non-irritant

Method OECD 437

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

Propyl 4-hydroxybenzoate

Species rabbit

evaluation non-irritant

Method OECD 405

Sensitization (Components)**Propyl 4-hydroxybenzoate**

Route of exposure dermal

Species mouse

evaluation non-sensitizing

Method OECD 429

Propyl 4-hydroxybenzoate

Route of exposure dermal

Species guinea pig

evaluation non-sensitizing

Method OECD 406

Subacute, subchronic, chronic toxicity (Components)**Propyl 4-hydroxybenzoate**

Sub-chronic toxicity

Route of exposure oral

Species Rats (male/female)

NOAEL \geq 1000 mg/kg

Duration of exposure 90 d

Method OECD 408

Propyl 4-hydroxybenzoate

Subacute toxicity

Route of exposure oral

Species rat (male)

NOAEL $>$ 745.4 mg/kg

Duration of exposure 14 d

Propyl 4-hydroxybenzoate

Subacute toxicity

Route of exposure oral

Species rat (female)

NOAEL $>$ 760.5 mg/kg

Duration of exposure 14 d

Propyl 4-hydroxybenzoate

Chronic toxicity

Route of exposure oral

Species Rats (male/female)

NOAEL \geq 5500 mg/kg

Duration of exposure 96 Weeks

Mutagenicity (Components)

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Propyl 4-hydroxybenzoate

evaluation No mutagenicity according to various in vitro tests.
Method OECD 471

Propyl 4-hydroxybenzoate

Species mammal, species unspecified
evaluation No experimental information on genotoxicity in vitro available.
Method OECD 476

Reproduction toxicity (Components)**Propyl 4-hydroxybenzoate**

Route of exposure oral
Species Rats (male/female)
Dose 15000 ppm(m)
Duration of exposure 7 Weeks
evaluation No negative effects
Method OECD 422
Remarks Based on available data, the classification criteria are not met.

Carcinogenicity (Components)**Propyl 4-hydroxybenzoate**

Remarks No evidence available on carcinogenicity.

Specific Target Organ Toxicity (STOT) (Components)**Propyl 4-hydroxybenzoate**

Remarks No data available

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.

Experience in practice

Inhalation of dusts may irritate the respiratory tract.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Propyl 4-hydroxybenzoate**

Species zebra fish (Brachydanio rerio)
LC50 6.4 mg/l
Duration of exposure 96 h
Method OECD 203

Daphnia toxicity (Components)**Propyl 4-hydroxybenzoate**

Species Daphnia magna
EC50 15.4 mg/l
Duration of exposure 48 h
Method ISO 6341

Algae toxicity (Components)**Propyl 4-hydroxybenzoate**

Species Pseudokirchneriella subcapitata
EC50 15 mg/l
Duration of exposure 72 h
Method ISO 8692

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Propyl 4-hydroxybenzoate

Species	Pseudokirchneriella subcapitata	
NOEC	2.1	mg/l
Duration of exposure	72	h
Method	OECD 201	

Propyl 4-hydroxybenzoate

Species	Pseudokirchneriella subcapitata	
EC50	16	mg/l
Duration of exposure	72	h
Method	OECD 201	

12.2. Persistence and degradability**Biodegradability (Components)****Propyl 4-hydroxybenzoate**

Value	91.5	%
Duration of test evaluation	28	d
Method	Readily biodegradable	
	OECD 301F	

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

Reference substance	Propyl 4-hydroxybenzoate
pOW	2.8

Octanol/water partition coefficient (log Pow) (Components)**Propyl 4-hydroxybenzoate**

log Pow	2.8
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12.4. Mobility in soil**Mobility in soil (Components)****Propyl 4-hydroxybenzoate**

Highly mobile in soils

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.

12.7. Other adverse effects**General information / ecology**

Do not allow it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 07 06 99 wastes not otherwise specified

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

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Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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

H412 Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic, Category 3

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.