

Trade name: Aurantii Fruchtpulver

Substance number: 321050

Version: 1 / CH

Date revised: 09.07.2025

Replaces Version: - / CH

Print date: 09.07.25

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

1.1. Product identifier

Aurantii Fruchtpulver

Item No. 32105000

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

Use of the substance/preparation

flavoring agent

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

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

EUH208 Contains (R)-p-mentha-1,8-diene, May produce an allergic reaction.

Supplemental information

EUH210 Safety data sheet available on request.

2.3. Other hazards

Dust can form an explosive mixture with air.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

(R)-p-mentha-1,8-diene

CAS No. 5989-27-5

EINECS no. 227-813-5

Concentration >= 0.1 < 1 %

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

Flam. Liq. 3 H226

Asp. Tox. 1 H304

Skin Irrit. 2 H315

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Skin Sens. 1B	H317
Aquatic Acute 1	H400
Aquatic Chronic 3	H412

Concentration limits (Regulation (EC) No. 1272/2008)
Aquatic Acute 1 M = 1

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove the casualty into fresh air and keep him calm. Summon a doctor immediately.

After skin contact

Remove contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if symptoms occur.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. By continuous complaints consult a physician.

After ingestion

Rinse mouth thoroughly with water. Seek medical advice immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Foam, 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid breathing dust.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal. Provide adequate ventilation. Avoid raising dust.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid inhaling dusts/ billows/ steams. Avoid contact with skin, eyes and clothing.

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Advice on protection against fire and explosion

Keep away from sources of heat and ignition. Electrostatic loading of the material is possible. Take action to prevent static discharges.

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 rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****(R)-p-mentha-1,8-diene**

List	SUVA			
Type	MAK			
Value	40	mg/m ³	7	ppm(V)
Short term exposure limit	80	mg/m ³	14	ppm(V)
Pregnancy group: S; Remarks: S SSc; LeberKT AN				

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

After contact with skin, wash immediately with plenty of water and soap. Wash hands before breaks and after work. Wash contaminated clothing before reuse.

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary). In case of insufficient ventilation, wear suitable respiratory equipment.

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
Material thickness	0.38 mm
Breakthrough time	> 60 min
Appropriate Material	nitrile rubber - NBR
Material thickness	0.1 mm
Breakthrough time	> 10 min

Hand protection must comply with EN 374.

Eye protection

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

Body protection

Clothing as usual in the chemical industry.

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

Physical state	solid
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Colour	yellowish to brownish
Physical state	Powder
Melting point	
Remarks	not determined
Boiling point or initial boiling point and boiling range	
Remarks	not determined
Flammability	
Remarks	not determined
Upper and lower explosive limits	
Remarks	not determined
Flash point	
Remarks	Not applicable
Ignition temperature	
Remarks	not determined
Decomposition temperature	
Remarks	not determined
pH value	
Value	2.90 to 4.90
Viscosity	
Remarks	not determined
Solubility(ies)	
Remarks	not determined
Partition coefficient n-octanol/water (log value)	
Remarks	not determined
Vapour pressure	
Remarks	Not applicable
Density and/or relative density	
Remarks	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Avoid contact with: strong acids, Bases, Avoid contact with oxidizing substances.

10.6. Hazardous decomposition products

Carbon dioxide, In the event of fire the following can be released: Toxic gases/vapours

SECTION 11: Toxicological information

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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute oral toxicity (Components)****(R)-p-mentha-1,8-diene**

Species	rat		
LD50		4400	mg/kg

(R)-p-mentha-1,8-diene

Species	mouse		
NOAEL		1650	mg/kg

(R)-p-mentha-1,8-diene

Species	mouse		
LOAEL		3300	mg/kg

Acute dermal toxicity (Components)**(R)-p-mentha-1,8-diene**

Species	rabbit		
LD50	>	5000	mg/kg

Acute inhalative toxicity (Components)**(R)-p-mentha-1,8-diene**

Remarks	No data available.
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Skin corrosion/irritation (Components)**(R)-p-mentha-1,8-diene**

Species	rabbit		
Duration of exposure	4	h	
evaluation	irritant		
Method	OECD 404		

Serious eye damage/irritation (Components)**(R)-p-mentha-1,8-diene**

Species	rabbit		
evaluation	non-irritant		
Method	OECD 405		
Remarks	No effect of irritation known		

Sensitization (Components)**(R)-p-mentha-1,8-diene**

Species	mouse		
evaluation	sensitizing		
Method	OECD 429		
Remarks	May cause sensitization by skin contact.		

Subacute, subchronic, chronic toxicity (Components)**(R)-p-mentha-1,8-diene**

Remarks	No data available.
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Mutagenicity (Components)**(R)-p-mentha-1,8-diene**

Species	mouse		
evaluation	No experimental information on genotoxicity in vitro available.		
Method	OECD 476		
Remarks	negative		

(R)-p-mentha-1,8-diene

Species	rat (male)		
evaluation	No experimental indications on genotoxicity in vivo found.		
Remarks	negative		

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(R)-p-mentha-1,8-diene

Species	hamster
evaluation	No experimental information on genotoxicity in vitro available.
Method	OECD 479

(R)-p-mentha-1,8-diene

Species	Salmonella typhimurium
evaluation	No experimental information on genotoxicity in vitro available.
Method	OECD 471
Remarks	negative

Reproduction toxicity (Components)**(R)-p-mentha-1,8-diene**

Remarks	No data available.
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Carcinogenicity (Components)**(R)-p-mentha-1,8-diene**

Species	rat
Remarks	May cause cancer.
Source	RTECS

(R)-p-mentha-1,8-diene

Species	mouse
Remarks	Based on available data, the classification criteria are not met.
Source	RTECS

Specific Target Organ Toxicity (STOT) (Components)**(R)-p-mentha-1,8-diene**

Remarks	Not applicable
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11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****(R)-p-mentha-1,8-diene**

Species	Fathead minnow (<i>Pimephales promelas</i>)
LC50	0.72 mg/l
Duration of exposure	96 h
Method	OECD 203

Daphnia toxicity (Components)**(R)-p-mentha-1,8-diene**

Species	Daphnia magna
	0.307 mg/l
Duration of exposure	48 h
Method	OECD 202

Algae toxicity (Components)**(R)-p-mentha-1,8-diene**

Species	Raphidocelis subcapitata
	0.32 mg/l
Duration of exposure	72 h
Method	OECD 201

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(R)-p-mentha-1,8-diene

Species	Raphidocelis subcapitata	
	0.174	mg/l
Duration of exposure	72	h
Method	OECD 201	

Bacteria toxicity (Components)**(R)-p-mentha-1,8-diene**

Species	activated sludge	
EC50	3.94	mg/l
Method	OECD 209	

12.2. Persistence and degradability**Physico-chemical eliminability (Components)****(R)-p-mentha-1,8-diene**

Remarks	No data available.
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Biodegradability (Components)**(R)-p-mentha-1,8-diene**

Value	71	%
evaluation	Readily biodegradable	

Ready degradability (Components)**(R)-p-mentha-1,8-diene****Chemical oxygen demand (COD) (Components)****(R)-p-mentha-1,8-diene**

Remarks	No data available.
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Biochemical oxygen demand (BOD5) (Components)**(R)-p-mentha-1,8-diene**

Remarks	No data available.
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12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

Remarks	not determined
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Octanol/water partition coefficient (log Pow) (Components)**(R)-p-mentha-1,8-diene**

log Pow	4.2
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12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

Disposal in compliance with local and national regulations.

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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**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**Hazard statements listed in Chapter 3**

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 3 Hazardous to the aquatic environment, chronic, Category 3
Asp. Tox. 1 Aspiration hazard, Category 1
Flam. Liq. 3 Flammable liquid, Category 3
Skin Irrit. 2 Skin irritation, Category 2
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.