

Trade name: Mannae sirupus compositus

Substance number: 145151

Version: 1 / CH

Date revised: 16.06.2022

Replaces Version: - / CH

Print date: 16.06.22

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

1.1. Product identifier

Mannae sirupus compositus

Item No. 14515100

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

Use of the substance/preparation

Active pharmaceutical substance

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

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Chemical characterization

Extract of herbal drugs

Further ingredients

water

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration >= 50 %

Advice: [4]

Sucrose

CAS No. 57-50-1

EINECS no. 200-334-9

Concentration >= 50 %

Advice: [4]

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ethanol

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration	>=	25	<	50	%
Advice:	[4]				
Classification (Regulation (EC) No. 1272/2008)	Flam. Liq. 2 H225				

methyl 4-hydroxybenzoate

CAS No.	99-76-3				
EINECS no.	202-785-7				
Registration no.	01-2119463264-40				
Concentration			<	1	%
Advice:	[4]				
Classification (Regulation (EC) No. 1272/2008)	Aquatic Chronic 2 H411				

4-hydroxybenzoic acid propyl ester

CAS No.	94-13-3				
EINECS no.	202-307-7				
Registration no.	01-2119969462-29				
Concentration			<	1	%
Advice:	[4]				

Note

[4] Voluntary information

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

In case of persistent symptoms consult doctor.

After inhalation

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

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Carbon dioxide, Dry powder, Water spray jet

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510 12 Non-combustible liquids

Further information on storage conditions

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

ethanol

List

Type

SUVA

MAK

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Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)

Pregnancy group: S; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH

Other information

Contains no substances with occupational exposure limit values.

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

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Appropriate Material neoprene

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form** liquid, transparent to opaque**Colour** brown**Odour** peculiar**Odour threshold**

Remarks not determined

pH value

Remarks not determined

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Remarks not determined

Flash pointValue °C
Remarks Not applicable**Evaporation rate (ether = 1) :**

Remarks not determined

Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks Not applicable

Vapour density

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Remarks not determined

Density

Remarks not determined

Solubility in water

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

9.2. Other information**Other information**

None known

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

No hazardous reactions known.

10.5. Incompatible materials

None known

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Remarks not determined

Acute oral toxicity (Components)**4-hydroxybenzoic acid propyl ester**

Species	rat		
LD50	>	5000	mg/kg

methyl 4-hydroxybenzoate

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Species rat
 LD50 2100 mg/kg
 Method OECD 401

ethanol

Species rat
 LD50 7060 mg/kg
 Source Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.

ethanol

Species rat
 LD50 10470 mg/kg

Acute dermal toxicity

Remarks not determined

Acute dermal toxicity (Components)**ethanol**

Species rabbit
 LD50 15800 mg/kg

Acute inhalational toxicity

Remarks not determined

Acute inhalative toxicity (Components)**ethanol**

Species rat
 LC50 30000 mg/m³
 Duration of exposure 4 h
 Administration/Form Vapors

Skin corrosion/irritation

Remarks not determined

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

Species rabbit
 Duration of exposure 24 h
 Observation Period 72 h
 evaluation Moderately irritating
 Method Draize method

ethanol

evaluation non-irritant

Serious eye damage/irritation

Remarks not determined

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

Species rabbit
 Observation Period 48 h
 evaluation Moderately irritating
 Method Draize method

ethanol

evaluation irritant

Sensitization

Remarks not determined

Sensitization (Components)

4-hydroxybenzoic acid propyl ester

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Route of exposure	dermal
Species	mouse
evaluation	non-sensitizing
Method	OECD 429

methyl 4-hydroxybenzoate

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Subacute, subchronic, chronic toxicity

Remarks	not determined
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Subacute, subchronic, chronic toxicity (Components)**4-hydroxybenzoic acid propyl ester**

Sub-chronic toxicity

Route of exposure	oral		
Species	rat		
NOAEL	980		mg/kg
Duration of exposure	4	Weeks	

methyl 4-hydroxybenzoate

Species	rat		
NOAEL	>= 250		mg/kg
Duration of exposure	28	d	

Mutagenicity

Remarks	not determined
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Mutagenicity (Components)**4-hydroxybenzoic acid propyl ester**

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

methyl 4-hydroxybenzoate

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

ethanol

evaluation	No mutagenicity in the Ames-test.
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Reproductive toxicity

Remarks	not determined
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Carcinogenicity

Remarks	not determined
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Other information

No toxicological data are available.

SECTION 12: Ecological information**12.1. Toxicity****General information**

not determined

Fish toxicity (Components)**4-hydroxybenzoic acid propyl ester**

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

methyl 4-hydroxybenzoate

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Species	golden orfe (<i>Leuciscus idus</i>)	
NOEC	50	mg/l
Duration of exposure	48	h

methyl 4-hydroxybenzoate

Species	<i>Oryzias latipes</i>	
LC50	59.5	mg/l
Duration of exposure	96	h
Method	OECD 203	

Daphnia toxicity (Components)**4-hydroxybenzoic acid propyl ester**

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

methyl 4-hydroxybenzoate

Species	<i>Daphnia magna</i>	
NOEC	0.2	mg/l
Duration of exposure	21	d
Method	OECD 211	

methyl 4-hydroxybenzoate

Species	<i>Daphnia magna</i>	
EC50	11.2	mg/l
Duration of exposure	48	h

Algae toxicity (Components)**4-hydroxybenzoic acid propyl ester**

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

4-hydroxybenzoic acid propyl ester

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

4-hydroxybenzoic acid propyl ester

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

methyl 4-hydroxybenzoate

Species	<i>Desmodesmus subspicatus</i>	
EC50	91	mg/l
Duration of exposure	72	h

methyl 4-hydroxybenzoate

NOEC	17	mg/l
Duration of exposure	72	h
Method	OECD 201	

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)

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4-hydroxybenzoic acid propyl ester

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

methyl 4-hydroxybenzoate

Value	92.2	%
Duration of test evaluation	28 d	
Method	Readily biodegradable OECD 301F	

methyl 4-hydroxybenzoate

Value	89	%
Duration of test evaluation	28 d	
Method	Readily biodegradable OECD 301 B	

ethanol

evaluation	Readily biodegradable
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Chemical oxygen demand (COD) (Components)**ethanol**

Value	0.93	to	1.67	mg/g
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12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient: n-octanol/water

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**4-hydroxybenzoic acid propyl ester**

log Pow	2.8
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methyl 4-hydroxybenzoate

log Pow	1.98
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Bioconcentration factor (BCF) (Components)**ethanol**

BCF	0.66
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12.4. Mobility in soil**General information**

not determined

Mobility in soil (Components)**4-hydroxybenzoic acid propyl ester**

Highly mobile in soils

methyl 4-hydroxybenzoate

Highly mobile in soils

12.5. Results of PBT and vPvB assessment**General information**

not determined

12.6. Other adverse effects**General information**

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not determined

General information / ecology

Do not discharge product unmonitored into the environment.

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

Disposal in compliance with local and national regulations.

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

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste.

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 preparation a chemical safety assessment has not been carried out.

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.