

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

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

### **1.1. Product identifier**

Sahne Aroma flüssig

Item No. 27284000

### **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)

Flam. Liq. 3 H226

Skin Corr. 1C H314

Eye Dam. 1 H318

Skin Sens. 1 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**

Danger

##### **Hazard statements \*\*\***

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

EUH071 Corrosive to the respiratory tract.

##### **Precautionary statements \*\*\***

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

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

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

contains \*\*\* I-(+)-lactic acid; 3,4-dihydrocoumarin; Piperonal; Butanedione; Acetoin; butyric acid

**2.3. Other hazards**

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 \*\*\*****3.2. Mixtures****Hazardous ingredients \*\*\*****I-(+)-lactic acid**

CAS No. 79-33-4  
 EINECS no. 201-196-2  
 Registration no. 01-2119474164-39-0000/-0013  
 Concentration  $\geq$  25 < 50 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Skin Corr. 1C H314  
 Eye Dam. 1 H318

**Vanillin**

CAS No. 121-33-5  
 EINECS no. 204-465-2  
 Registration no. 01-2119516040-60  
 Concentration  $\geq$  1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Eye Irrit. 2 H319

**Piperonal**

CAS No. 120-57-0  
 EINECS no. 204-409-7  
 Concentration  $\geq$  1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Skin Sens. 1B H317

**Ethyl butyrate**

CAS No. 105-54-4  
 EINECS no. 203-306-4  
 Registration no. 01-2120118576-54-0005  
 Concentration  $\geq$  1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 3 H226  
 Eye Irrit. 2 H319

**Acetoin**

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

CAS No.	513-86-0			
EINECS no.	208-174-1			
Concentration	>= 1	<	3	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3		H226	
	Eye Dam. 1		H318	

**Butanedione**

CAS No.	431-03-8			
EINECS no.	207-069-8			
Registration no.	01-2120772074-56			
Concentration	>= 1	<	3	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2		H225	
	Acute Tox. 4		H302	
	Skin Irrit. 2		H315	
	Skin Sens. 1		H317	
	Eye Dam. 1		H318	
	Acute Tox. 3		H331	
	STOT RE 2		H373	
				Respiratory tract; Route of exposure: inhalative

ATE	oral	1'600	mg/kg
cATpE	inhalative, Dust/Mist	0.5	mg/l
ATE	inhalative, Vapors	3	mg/l

**butyric acid**

CAS No.	107-92-6			
EINECS no.	203-532-3			
Concentration	>= 1	<	3	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Corr. 1B		H314	

ATE	oral	1'630	mg/kg
-----	------	-------	-------

**3,4-dihydrocoumarin**

CAS No.	119-84-6			
EINECS no.	204-354-9			
Concentration	>= 1	<	6.4	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	
	Skin Sens. 1		H317	

cATpE	oral	500	mg/kg
-------	------	-----	-------

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

Remove affected person from danger area. Never give anything by mouth to an unconscious person.

**After inhalation**

Ensure supply of fresh air.

**After skin contact**

Remove contaminated, soaked clothing immediately and dispose of safely. Consult a doctor if skin irritation persists. After contact with skin, wash immediately with plenty of water.

**After eye contact**

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

Shield unaffected eye. Separate eyelids, wash the eyes thoroughly with water (15 min.). Remove contact lenses

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. If individual is drowsy or unconscious place in recovery position (on left side, with head down). Never give anything by mouth to an unconscious person.

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

Water spray jet, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

**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 inhale explosion and/or combustion gases. Cool closed containers exposed to fire with water.

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

Ensure supply of fresh air. Wear protective equipment. Keep away sources of ignition.

**6.3. Methods and material for containment and cleaning up**

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Prevent spread over a wide area (by containment with sand or earth).

**6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

For personal protection see Section 8.

**Advice on protection against fire and explosion**

Take action to prevent static discharges. Use explosion-proof equipment/fittings and non-sparking tools. Keep away from sources of ignition - No smoking.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in original packaging. Keep container tightly closed in a well-ventilated place. Keep in a dry place.

**Storage classes**

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

**Further information on storage conditions**

Protect from heat. Protect from direct sunlight.

**SECTION 8: Exposure controls/personal protection \*\*\***

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

## 8.2. Exposure controls

### General protective and hygiene measures

Avoid contact with skin. Do not eat or drink during work time. Do not smoke during work time.

### Respiratory protection

Do not breathe vapours, dust or aerosol. Breathing apparatus in the event of aerosol or mist formation.

### 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		
Material thickness	0.4	mm	
Appropriate Material	Butyl rubber - Butyl		
Material thickness	0.7	mm	

### Eye protection

Tightly fitting safety glasses

### Body protection

impermeable protective overalls

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	liquid, clear		
<b>Colour</b>	light yellow to reddish		
<b>Odour</b>	characteristic		
<b>Flash point</b>			
Value	43		°C
<b>Vapour pressure</b>			
Value	8		kPa
Temperature	50	°C	
Method	calculated		
<b>Density and/or relative density</b>			
Value	1.0930	to	1.1130 g/cm <sup>3</sup>
Temperature	20	°C	
Remarks	Relative Density according specification		

### 9.2. Other information

#### Solubility in water

Remarks Completely miscible

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None known

### 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

No decomposition if stored and applied as directed.

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

**10.5. Incompatible materials**

None

**10.6. Hazardous decomposition products**

None under normal use.

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

ATE	>	10'000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

**Acute oral toxicity (Components)****I-(+)-lactic acid**

Species	rat (female)		
LD50	3543		mg/kg

**I-(+)-lactic acid**

Species	Rats (male/female)		
LD50	4239.5		mg/kg
Method	OECD 401		

**Butanedione**

Species	rat		
LD50	1600		mg/kg

**butyric acid**

Species	rat		
LD50	1630		mg/kg
Method	OECD 401		

**Acute dermal toxicity (Components)****I-(+)-lactic acid**

Species	rabbit		
LD50	>	2000	mg/kg
Method	EPA		

**Butanedione**

Species	rabbit		
LC50	>	5000	mg/kg

**butyric acid**

Species	rabbit		
LD50	6096		mg/kg
Method	OECD 402		

**Acute inhalational toxicity**

ATE	16.6722	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	>	100
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Acute inhalative toxicity (Components)****I-(+)-lactic acid**

Species	rat		
LC50	>	7.94	mg/l
Duration of exposure	4	h	

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

Administration/Form Dust/Mist  
 Method OECD 403  
 Remarks Corrosive

**Butanedione**

Species rat  
 LC50 3 mg/l  
 Duration of exposure 4 h  
 Administration/Form Vapors

**Acetoin**

Species Rats (male/female)  
 NOAEL 126 mg/m<sup>3</sup>  
 Duration of exposure 6 h  
 Administration/Form Gases  
 Method OECD 412

**Skin corrosion/irritation (Components)****I-(+)-lactic acid**

Species rabbit  
 Method OECD 404  
 Remarks Irritating to skin.

**butyric acid**

Species rabbit  
 Duration of exposure 1 h  
 evaluation strongly irritant  
 Method OECD 404

**Serious eye damage/irritation (Components)****I-(+)-lactic acid**

Species dog  
 Duration of exposure 10 s  
 evaluation irritant - risk of serious damage to eyes  
 Method OECD 438

**Acetoin**

Species cattle  
 Method OECD 437

**Butanedione**

Species rabbit  
 evaluation strongly irritant

**butyric acid**

Species rabbit  
 evaluation irritant - risk of serious damage to eyes

**Sensitization (Components)****I-(+)-lactic acid**

evaluation non-sensitizing

**Subacute, subchronic, chronic toxicity (Components)****Acetoin**

Species Rats (male/female)  
 NOAEL 126 mg/m<sup>3</sup>  
 Repeated exposure  
 Duration of exposure 6 h

**Mutagenicity (Components)****I-(+)-lactic acid**

evaluation No experimental indications on genotoxicity in vivo found.

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

**Reproduction toxicity (Components)**

**I-(+)-lactic acid**  
evaluation No negative effects

**Carcinogenicity (Components)**

**I-(+)-lactic acid**  
evaluation No negative effects

**Specific Target Organ Toxicity (STOT) (Components)**

**I-(+)-lactic acid**  
Remarks Not applicable

**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)**

**I-(+)-lactic acid**  
Species rainbow trout (*Oncorhynchus mykiss*)  
LC50 130 mg/l  
Duration of exposure 96 h

**Daphnia toxicity (Components)**

**I-(+)-lactic acid**  
Species *Daphnia magna*  
EC50 130 mg/l  
Duration of exposure 48 h

**Algae toxicity (Components)**

**I-(+)-lactic acid**  
Species *Pseudokirchneriella subcapitata*  
EC50 > 2.8 g/l  
Duration of exposure 72 h

**Bacteria toxicity (Components)**

**I-(+)-lactic acid**  
LC50 > 100 mg/l  
Duration of exposure 3 h

**I-(+)-lactic acid**  
Species activated sludge  
EC50 > 88.2 mg/l  
Duration of exposure 3 h  
Method OECD 209

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

**I-(+)-lactic acid**  
evaluation Readily biodegradable

**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment \*\*\***



Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

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.

#### 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 ***
Tunnel restriction code	D/E		
14.1. UN number	2924	2924	2924
14.2. UN proper shipping name	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (l-+)-lactic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (l-+)-lactic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (l-+)- lactic acid)
14.3. Transport hazard class(es)	3	3	3
Subsidiary risk	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		

## 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 2

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

Trade name: Sahne Aroma flüssig

Substance number: 272840

Version: 3 / CH

Date revised: 29.03.2023

Replaces Version: 2 / CH

Print date: 29.03.23

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

**CLP categories listed in Chapter 3**

Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, Category 1B
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2

**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.