



Trade name: Caramel Aroma / EFLA 073079

Substance number: 321810

Version: 2 / CH

Date revised: 06.08.12

Replaces Version: 1 / CH

Date of printing: 06.08.12

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Caramel Aroma / EFLA 073079

Item-No. 32181000

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

Use of the substance/preparation

flavoring agent, Active pharmaceutical substance

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 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

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. 2 H225

Classification in accordance with EC directives

Classification R10

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.

P370+P378.1 In case of fire: Use water sprayjet, carbon dioxide, alcohol-resistant foam or dry



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P403+P233 powder for extinction.
 P501.3 Store in a well-ventilated place. Keep container tightly closed.
 Disposal in compliance with local and national regulations.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

R phrases

10 Flammable.

S phrases

7 Keep container tightly closed.
 16 Keep away from sources of ignition - No smoking.
 60 This material and its container must be disposed of as hazardous waste.

3. Composition/information on ingredients**Hazardous ingredients****Ethanol**

| | | | | | |
|----------------|-----------|----|---|-----|---|
| CAS No. | 64-17-5 | | | | |
| EINECS no. | 200-578-6 | | | | |
| Concentration | | 50 | - | 100 | % |
| Classification | F, R11 | | | | |

Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 2 H225

3,4-dihydrocoumarin

| | | | | | |
|----------------|--------------------|-----|--|--|---|
| CAS No. | 119-84-6 | | | | |
| EINECS no. | 204-354-9 | | | | |
| Concentration | <= | 2.5 | | | % |
| Classification | Xn, R22 Xi, R43 | | | | |

Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Skin Sens. 1 H317

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

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

After skin contact

In general the product isn't skin irritating.

After eye contact

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

After ingestion

By continuous complaints consult a physician.

5. Firefighting measures**5.1. Extinguishing media**



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Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

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

No special measures required.

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

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Dilute with lot of water. Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust).

6.4. Reference to other sections

Information regarding Safe handling, see chapter 7. Information regarding personal protective measures see, chapter 8. Information regarding Waste Disposal, see chapter 13.

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

Take precautionary measures against electrostatic loading.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

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

Keep tightly closed in a dry and cool place.

Further information on storage conditions

Keep container tightly closed.

8. Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Ethanol**

| | | | | |
|--|------|-------------------|------|--------|
| List | SUVA | | | |
| Type | MAK | | | |
| Value | 960 | mg/m ³ | 500 | ppm(V) |
| Short term exposure limit | 1920 | mg/m ³ | 1000 | ppm(V) |
| Maximum limit value: 4x15; Pregnancy group: C; Status: 2005; | | | | |

Other information

Contains no substances with occupational exposure limit values.

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



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Wash hands before breaks and after work.

Respiratory protection

Not necessary.

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.

Eye protection

Tightly fitting safety glasses

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

| | | | |
|-------------------------------------|---|----|-------------------|
| Form | liquid | | |
| Colour | yellow | | |
| Odour | characteristic | | |
| pH | | | |
| Remarks | Not determined | | |
| Melting point | | | |
| Remarks | Not determined | | |
| Flash point | | | |
| Value | 22 | | °C |
| Flammability | | | |
| Not self inflammable | | | |
| Explosion limits | | | |
| Lower explosion limit | 2.6 | | %(V) |
| Upper explosion limit | 19.0 | | %(V) |
| Vapour pressure | | | |
| Value | 59.5 | | hPa |
| Temperature | 20 | °C | |
| Density | | | |
| Value | 0.895 | | g/cm ³ |
| Temperature | 20 | °C | |
| Solubility in water | | | |
| Remarks | Completely miscible | | |
| Solubility in other solvents | | | |
| organic solvents | | | |
| Value | 72.5 | | % |
| Ignition temperature | | | |
| Value | 363 | | °C |
| Thermal decomposition | | | |
| Remarks | No decomposition if used as prescribed. | | |

9.2. Other information**Other information**

Forms explosive mixture with air are possible.

10. Stability and reactivity



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10.4. Conditions to avoid

Thermal decomposition

Remarks No decomposition if used as prescribed.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

11. Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Remarks No effect of irritation known.

Serious eye damage/irritation

Remarks No effect of irritation known

Sensitization

Remarks No sensitisation effect known.

12. Ecological information

12.1. Toxicity

Fish toxicity

Remarks No data available.

12.2. Persistence and degradability

Biodegradability

Remarks No data available.

12.6. Other adverse effects

General information / ecology

Product is slightly hazardous to water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 1197

14.2. UN proper shipping name

EXTRACTS, FLAVOURING, LIQUID

14.3. Transport hazard class(es)

Class 3

Label 3



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14.4. Packing group

| | |
|-------------------|------|
| Packing group | II |
| Special provision | 640C |

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1197

14.2. UN proper shipping name

EXTRACTS, FLAVOURING, LIQUID

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group II

14.5. Environmental hazards

no

Air transport ICAO/IATA**14.1. UN number**

UN 1197

14.2. UN proper shipping name

EXTRACTS, FLAVOURING, LIQUID

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group II

15. Regulatory information**15.2. Chemical safety assessment**

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

16. Other information**R-phrases listed in chapter 3**

| | |
|----|--|
| 11 | Highly flammable. |
| 22 | Harmful if swallowed. |
| 43 | May cause sensitization by skin contact. |

Hazard statements listed in chapter 3

| | |
|------|--------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H317 | May cause an allergic skin reaction. |

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.