



Trade name: Coffeinum

Substance number: 062875

Version: 2 / CH

Date revised: 09.03.12

Replaces Version: 1 / CH

Date of printing: 13.08.12

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

1.1. Product identifier

Coffeinum

Item-No.

06287500

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)

Acute Tox. 4

H302

Classification in accordance with EC directives

Classification

Xn, R22

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H302

Harmful if swallowed.

Precautionary statements

P102

Keep out of reach of children.

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.

Hazard symbols





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Harmful

R phrases

22 Harmful if swallowed.

S phrases

2 Keep out of the reach of children.

Hazardous component(s) to be indicated on label

contains Caffeine

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

CAS No. 58-08-2

EINECS no. 200-362-1

Concentration >= 50 %

Classification Xn, R22

Classification (Regulation (EC) No. 1272/2008)
Acute Tox. 4 H302**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

Wash off immediately with soap and water and rinse well.

After eye contact

In case of contact with eyes rinse thoroughly with water.

After ingestion

Let plenty of water be drunk in small gulps. When swallowed seek medical aid immediately and show the physician the packaging or the label of the packaging. Evacuate stomach.

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

Diarrhoea, Vomiting, Excitement, Headache

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

Water spray jet, Foam, Carbon dioxide, Dry powder

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible. In the event of fire the following can be released: Carbon monoxide (CO); Nitrogen oxides (NOx)

6. Accidental release measures**6.2. Environmental precautions**

Do not allow to enter drains.



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6.3. Methods and material for containment and cleaning up

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

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid dust formation. Take precautionary measures against electrostatic loading. Danger of dust explosion

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed. Protect from light. Protect from atmospheric moisture and water. Keep under lock and key or accessible only to specialists or people who are authorized.

8. Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Do not eat, drink or smoke during work time. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus in the event of aerosol.

Eye protection

Safety glasses

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid		
Colour	white		
Odour	odourless		
pH			
Value	5.5	to	6.5
Concentration/H ₂ O	10	g/l	
Temperature	20	°C	
Melting point			
Value	237		°C
Sublimation point			
Value	178		°C
Flash point			
Value	°C		
Remarks	Not applicable		
Density			
Value	1.23		g/cm ³
Temperature	20	°C	
Solubility in water			
Value	20		g/l
Temperature	20	°C	



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Ignition temperature

Value 540 °C

10. Stability and reactivity**10.4. Conditions to avoid**

No decomposition if stored and applied as directed. Protect from heat/overheating.

10.5. Incompatible materials

Strong oxidising agents

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

Species	rat		
LD50	322		mg/kg

Acute dermal toxicity

LD50	>	2000	mg/kg
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Acute inhalational toxicity

LC50	4.1	to	4.9	mg/l
Duration of exposure	4	h		

Skin corrosion/irritation

valuation	non-irritant
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12. Ecological information**12.1. Toxicity****Fish toxicity**

Species	golden orfe (Leuciscus idus)	
LC50	87	mg/l
Duration of exposure	96	h
Remarks	Harmful to fishes.	

Daphnia toxicity

EC50	182	mg/l
Duration of exposure	48	h

12.2. Persistence and degradability**Biodegradability**

valuation	Slightly biodegradable
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12.6. Other adverse effects**General information / ecology**

Product is highly hazardous to water.

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



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Dispose of as unused product.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

Danger releasing substance Caffeine

14.3. Transport hazard class(es)

Class 6.1

Label 6.1

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee

14.1. UN number

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

Danger releasing substance Caffeine

14.3. Transport hazard class(es)

Class 6.1

14.4. Packing group

Packing group III

Air transport ICAO/IATA

14.1. UN number

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

Danger releasing substance Caffeine

14.3. Transport hazard class(es)

Class 6.1

14.4. Packing group

Packing group III

15. Regulatory information

16. Other information

R-phrases listed in chapter 3

22 Harmful if swallowed.

Hazard statements listed in chapter 3

H302 Harmful if swallowed.

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.