

Trade name: Camphora racemica in tabulis

Substance number: 062440

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

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

1.1. Product identifier

Camphora racemica in tabulis

Item No. 06244001

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. Sol. 2 H228

Acute Tox. 4 H302

Acute Tox. 4 H332

STOT SE 2 H371

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

Warning

Hazard statements

H228

Flammable solid.

H302

Harmful if swallowed.

H332

Harmful if inhaled.

H371

May cause damage to organs.

Lungs

Route of exposure: inhalative

Precautionary statements

P210

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

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P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.
 P501.3 Disposal in compliance with local and national regulations.

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

contains Bornan-2-one

SECTION 3: Composition/information on ingredients**Hazardous ingredients****Bornan-2-one**

CAS No.	76-22-2	
EINECS no.	200-945-0	
Registration no.	01-2119966156-31-XXXX	
Concentration	>= 65	%
Classification (Regulation (EC) No. 1272/2008)		
	Flam. Sol. 2	H228
	Acute Tox. 4	H302
	Acute Tox. 4	H332
	STOT SE 2	H371

Lungs; Route of exposure:
inhalative**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air.

After skin contact

After contact with skin, wash immediately with plenty of water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an Occulist.

After ingestion

Let plenty of water be drunk in small gulps. Take medical treatment.

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

Carbon dioxide, Water, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible. The product is combustible. Keep away sources of ignition. Take precautionary measures against static charges. Vapours heavier than air. Can build mixtures of gas and air which are capable of explosion.

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

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Wear protective clothing. Use self-contained breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

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

Don't touch. Avoid dust formation. Do not inhale dust. Ensure adequate ventilation.

6.2. Environmental precautions

Do not empty into drains. Explosive

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Avoid raising dust. When picked up, treat material as prescribed under Section 13 "Disposal". Clean up affected area.

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

Keep away from heat and sources of ignition. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value	15	-	25	°C
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Further information on storage conditions

Keep container tightly closed and dry. Keep away from sources of ignition.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Bornan-2-one**

List	SUVA			
Type	MAK			
Value	13	mg/m ³	2	ppm(V)
Status: 2017; Remarks: Aue & OAW; NIOSH				

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

Take off immediately all contaminated clothing. Preventative skin protection. Wash hands and face after work.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Short term: filter apparatus, combination filter A-P2

Hand protection

Chemical resistant gloves			
Appropriate Material	nitrile rubber - NBR		
Material thickness	0.11	mm	
Breakthrough time	> 480	min	

Eye protection

Tightly fitting safety glasses

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid		
Odour	characteristic		
pH value			
Remarks	Not applicable		
Melting point			
Value	174		°C
Source	Merck Index		
Flash point			
Value	65		°C
Upper/lower flammability or explosive limits			
Lower explosion limit	0.6	to	4.5 % (V)
Source	Merck Index		
Vapour pressure			
Remarks	not determined		
Density			
Value	1		g/cm ³
Partition coefficient: n-octanol/water			
pOW		to	3.04
Method	calculated		
Source	Merck Index		
Ignition temperature			
Value	466		°C
Source	Merck Index		
Efflux time			
Remarks	Not applicable		

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Protect from heat/overheating.

10.5. Incompatible materials

Strong oxidising agents, Potassium permanganate, Ozone (danger of explosion!), Reducing agents, Violent reaction with organic compounds like wood, paper, grease.

10.6. Hazardous decomposition products

None known

Other information

Highly inflammable. Vapours and gases can form an explosive mixture with air.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE	1'310	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

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Acute oral toxicity (Components)**Bornan-2-one**

Species	mouse			
LD50	1310	to	5000	mg/kg

Acute dermal toxicity (Components)**Bornan-2-one**

Species	rabbit			
LD50	> 5000			mg/kg

Acute inhalational toxicity

ATE	1.5			mg/l
Administration/Form	Dust/Mist			
Method	calculated value (Regulation (EC) No. 1272/2008)			

Acute inhalative toxicity (Components)**Bornan-2-one**

LC50	1.5			mg/l
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Skin corrosion/irritation

Species	rabbit			
evaluation	irritant			
Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.			

Serious eye damage/irritation

evaluation	irritant			
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Experience in practice

Kidney damage is possible. Irritates the mucous membrane. Inhalations of vapours in higher concentration may lead to irritation of eyes, nose and respiratory tract.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Species	zebra fish (Brachydanio rerio)			
LC50	35			mg/l
Duration of exposure	96		h	

Fish toxicity (Components)**Bornan-2-one**

LC50	35			mg/l
Duration of exposure	96		h	

Bacteria toxicity

EC0	100	to	1000	mg/l
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12.2. Persistence and degradability**Biodegradability**

Value	> 70			%
evaluation	good degradability			

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

pOW		to	3.04	
Method	calculated			
Source	Merck Index			

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12.6. Other adverse effects**Behaviour in environment compartments**

Because of the n-octanol/water distribution coefficient (log p_{OW}) accumulation in organisms is possible.

General information / ecology

Do not allow to enter soil, waterways or waste water canal.




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	E		
14.1. UN number	2717	2717	2717
14.2. UN proper shipping name	CAMPHOR	CAMPHOR	CAMPHOR
14.3. Transport hazard class(es)	4.1	4.1	4.1
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC**

VOC (CH) 0.0 %

15.2. Chemical safety assessment

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

SECTION 16: Other information

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Hazard statements listed in Chapter 3

H228	Flammable solid.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H371	May cause damage to organs.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Flam. Sol. 2	Flammable solid, Category 2
STOT SE 2	Specific target organ toxicity - single 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.