Trade name: Camphora racemica in tabulis

Substance number: 062440

Version: 2 / CH Replaces Version: 1 / CH Date revised: 17.12.2018 Print date: 01.10.19

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# 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



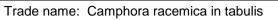
H302 Harmful if swallowed. H332 Harmful if inhaled. H371 May cause damage to organs. Lungs Route of exposure: inhalative

#### **Precautionary statements**

P210

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

Safety data sheet in accorda	ance with regulati	on (EC) No 1907/2006	
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Substance number: 062440		Version: 2 / CH	Date revised: 17.12.2018
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P260 P280 P304+P340 P308+P311 P501.3 <b>Hazardous compone</b>	Wear protective IF INHALED: Re comfortable for IF exposed or co Disposal in com	emove victim to fresh ai breathing. oncerned: Call a POISC pliance with local and n	ng/eye protection/face protection. r and keep at rest in a position DN CENTER or doctor.
contains	Bornan-2-one		
SECTION 3: Compos	sition/inform	ation on ingredi	ents
Hazardous ingredier	nts		
Bornan-2-one CAS No. EINECS no. Registration no. Concentration Classification (Regula	76-22-2 200-945-0 01-2119966156 >= 6 ation (EC) No. 127 Flam. Sol. 2 Acute Tox. 4 Acute Tox. 4 STOT SE 2	5	% Lungs; Route of exposure: inhalative
		ately and dispose of saf	ely.
After inhalation			
Ensure supply of fres After skin contact	sh air.		
	n wash immediate	ly with plenty of water.	
After eye contact		ly with ploticy of wator.	
•	sh the eyes thorou	ghly with water (15 min	.). Eye treatment by an Occulist.
After ingestion Let plenty of water be	e drunk in small gu	lps. Take medical treatr	ment.
SECTION 5: Firefight	ting measure	es	
5.1. Extinguishing med	-		
Suitable extinguishi			
Carbon dioxide, Wate	-	der	
sources of ignition. T	n evolution of dang ake precautionary	erous gases possible.	<b>ure</b> The product is combustible. Keep away c charges. Vapours heavier than air. Can
5.3. Advice for firefight	ers		
Special protective ed	quipment for fire	e-fighting	
		Page 2(7)	



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Wear protective clothing. Use <b>Other information</b> Collect contaminated fire-figh		0 11		d into the drains.
SECTION 6: Accidental re		-	j.	
6.1. Personal precautions, pr Don't touch. Avoid dust forma	otective equip	ment and em		
6.2. Environmental precautio Do not empty into drains. Exp	ns		·	
<b>6.3. Methods and material for</b> Pick up mechanically. Avoid "Disposal". Clean up affected	raising dust. Wher			s prescribed under Section 13
SECTION 7: Handling and	storage			
7.1. Precautions for safe han	dling			
Advice on safe handling Keep away from heat and so	urces of ignition. T	ake action to pre	event static	discharges.
7.2. Conditions for safe stora	ge, including	any incompat	tibilities	
Recommended storage ten	•			
Value	15	- 25	°C	
Further information on stor Keep container tightly closed	-	av from sources	of ignition	
	and dry. Neep aw		or ignition.	
SECTION 8: Exposure co	<u>ntrols/perso</u>	nal protecti	<u>on</u>	
8.1. Control parameters				
Exposure limit values				
Bornan-2-one				
List	SUVA MAK			
Type Value	13 mg	g∕m³	2	ppm(V)
Status: 2017; Remarks: Aug				
8.2. Exposure controls				
General protective and hyg Take off immediately all cont work.		Preventative ski	n protectio	n. Wash hands and face after
<b>Respiratory protection</b> Use breathing apparatus in c	lust-laden atmospl	nere. Short term:	filter appai	atus, combination filter A-P2
Hand protection				
Chemical resistant gloves	14 11 - NIE			
Appropriate Material Material thickness	nitrile rubber - NE 0.11	3R mm		
Breakthrough time	> 480	min		
Eye protection				
Tightly fitting safety glasses				

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SECTION 9: Physical and		_		
9.1. Information on basic pl Form	solid	perties		
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/cn	n <sup>3</sup>	
Partition coefficient: n-oc	tanol/water			
pOW	to 3.04			
Method	calculated			
Source	Merck Index			
Ignition temperature	100			
Value Source	466 Merck Index	°C		
Efflux time	Merck index			
Remarks	Not applicable			
Remarks	Not applicable			
SECTION 10: Stability ar	nd reactivity			
10.4. Conditions to avoid				
Protect from heat/overheat	ing.			
	<b>s</b> ptassium permanganate, Ozone ic compounds like wood, paper		osion!), Reducing agents,	
10.6. Hazardous decompos None known	ition products			
Other information				

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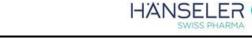
# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

Acute oral toxicity

ATE	1'310	mg/kg
Method	calculated value (Regulation (EC) N	lo. 1272/2008)

Safety data sheet in accordance	e with regul	ation (EC	C) No 190	7/2006		HÄNSELER (
Trade name: Camphora racemica	a in tabulis					
Substance number: 062440		Versio	n: 2/CF	ł		Date revised: 17.12.2018
		Replac	ces Versi	on: 1/CH		Print date: 01.10.1
Acute oral toxicity (Con	nponents)					
Bornan-2-one	. ,					
Species	mouse					
LD50		1310	to	5000	mg/kg	
Acute dermal toxicity (C	component	ts)				
Bornan-2-one						
Species LD50	rabbit >	5000			mg/kg	
Acute inhalational toxic		5000			iiig/kg	
ATE	ity	1.5			mg/l	
Administration/Form	Dust/M				iiig/i	
Method	calcula	ted value	(Regulat	ion (EC) N	o. 1272/2008)	
Acute inhalative toxicity	(Compon	ents)				
Bornan-2-one LC50		1.5			mg/l	
Skin corrosion/irritation	l					
Species	rabbit					
evaluation	irritant					the fact that a set of the fact of the set of the
Remarks	the ski		roiongea	skin conta	ct may lead to	defatting and irritation of
Serious eye damage/irri evaluation	<b>tation</b> irritant					
Experience in practice						
Kidney damange is poss concentration may lead t						ours in higher
SECTION 12: Ecologica	al inform	ation				
12.1. Toxicity						
Fish toxicity						
Species	zebra f	ish (Brac	nydanio r	erio)		
LC50		35			mg/l	
Duration of exposure		96	h			
Fish toxicity (Compone	nts)					
Bornan-2-one		35			mg/l	
11.50		96	h		iiig/i	
LC50 Duration of exposure						
Duration of exposure						
		100	to	1000	mg/l	
Duration of exposure Bacteria toxicity	radability		to	1000	mg/l	
Duration of exposure Bacteria toxicity EC0	radability		to	1000	mg/l	
Duration of exposure Bacteria toxicity EC0 12.2. Persistence and deg Biodegradability Value	>	70		1000	mg/l %	
Duration of exposure Bacteria toxicity EC0 12.2. Persistence and deg Biodegradability	>			1000	-	
Duration of exposure Bacteria toxicity EC0 12.2. Persistence and deg Biodegradability Value	> good d	70		1000	-	
Duration of exposure Bacteria toxicity EC0 12.2. Persistence and deg Biodegradability Value evaluation	> good d	70 egradabil		1000	-	
Duration of exposure Bacteria toxicity EC0 12.2. Persistence and deg Biodegradability Value evaluation 12.3. Bioaccumulative pot Partition coefficient: n-c pOW	> good d ential octanol/wa	70 egradabil <b>ter</b> to		1000	-	
Duration of exposure Bacteria toxicity EC0 12.2. Persistence and deg Biodegradability Value evaluation 12.3. Bioaccumulative pot Partition coefficient: n-0	> good d cential octanol/wa calc	70 egradabil <b>ter</b>	ity	1000	-	



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## 12.6. Other adverse effects

### Behaviour in environment compartments

Because of the n-octanol/water distribution coefficient (log pOW) 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	Ш	Ш	Ш
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**

Safety data sheet in accordanc		
Trade name: Camphora racemic	a in tabulis	
Substance number: 062440	Version: 2 / CH	Date revised: 17.12.2018
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Hazard statements liste H228 H302 H332 H371	Flammable solid. Harmful if swallowed. Harmful if inhaled. May cause damage to organs.	
CLP categories listed ir	n Chapter 3	
Acute Tox. 4 Flam. Sol. 2 STOT SE 2	Acute toxicity, Category 4 Flammable solid, Category 2 Specific target organ toxicity - single exposure, Categ	gory 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.