

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 3/20/2019 Version: 1.0

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

1.1. Product identifier

Product form : Substance

Substance name : Camphor Essential Oil

Chemical name : Cinnamomum Camphora Bark Oil

EC Index-No. : 295-980-1 EC-No. : 295-980-1

CAS-No. : 92201-50-8 / 8022-91-1 / 8008-51-3

Product code : 133

Other means of identification : Cinnamomum Camphora Bark Oil is the volatile oil expressed, by steam distillation, from

the bark of the Camphor, Cinnamomum camphora (L.), Lauraceae.

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use

Use of the substance/mixture : Cosmetics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Naissance

Unit 9 & 11 Milland Road Industrial Estate

Milland Road

SA11 1NJ Neath - United Kingdom

www.discoveringbetter.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Flammable liquids, Category 3 H226
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02







GHS07

GHS08

GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof . equipment.

P261 - Avoid breathing vapours, spray, mist.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use Use foam, carbon dioxide, dry powder or water fog to

extinguish. to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents to hazardous or special waste collection point, in accordance

with local, regional, national and/or international regulation.

P242 - Use non-sparking tools.

P243 - Take action to prevent static discharges

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : Camphor Essential Oil

CAS-No. : 92201-50-8 / 8022-91-1 / 8008-51-3

EC-No. : 295-980-1 EC Index-No. : 295-980-1

Name	Product identifier	%
Cineole	(CAS-No.) 470-82-6 (EC-No.) 207-431-5	33 - 45
Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5	8 - 36
Alpha-Pinene	(CAS-No.) 80-56-8 / 7785-26-4 (EC-No.) 201-291-9	4 - 17
Sabinene	(CAS-No.) 3387-41-5 (EC-No.) 222-212-4	0.1 - 12
gamma-Terpinene	(CAS-No.) 99-85-4 (EC-No.) 202-794-6	0.5 - 10
Beta-Pinene	(CAS-No.) 127-91-3 (EC-No.) 204-872-5	0.7 - 9
Myrcene	(CAS-No.) 123-35-3 (EC-No.) 204-622-5	0.5 - 8
p-Cymene	(CAS-No.) 99-87-6 (EC-No.) 202-796-7	1 - 7
Terpinolene	(CAS-No.) 586-62-9 (EC-No.) 209-578-0	0.09 - 5
alpha-Phellandrene	(CAS-No.) 99-83-2 (EC-No.) 202-792-5	0.5 - 4
alpha-Terpineol	(CAS-No.) 98-55-5 (EC-No.) 202-680-6	0.02 - 3
Terpinene-4-ol	(CAS-No.) 562-74-3 (EC-No.) 209-235-5	0.01 - 3

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

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	N A' FIFC	t aid measures

4.1. Description of first aid measures

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Get immediate medical

advice/attention

: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin First-aid measures after skin contact

irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

: Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention. First-aid measures after ingestion

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

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation. Symptoms/effects after ingestion : Risk of lung oedema.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Remove ignition sources. Evacuate area.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with

skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

On land, sweep or shovel into suitable containers. Clean up any spills as soon as possible, using an absorbent material to collect it. Minimise generation of dust. Store away from

other materials

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Flammable vapours may accumulate in the container. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures

Methods for cleaning up

: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Ground/bond container and receiving equipment.

Storage conditions

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
Alpha-Pinene (80-56-8 / 7785-26-4)		
Germany TRGS 910 Acceptable concentration notes		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm

Beta-Pinene (127-91-3)		
Germany	TRGS 910 Acceptable concentration notes	
USA - ACGIH	ACGIH TWA (ppm)	20 ppm

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

land protection:	
Protective gloves	
eye protection:	
Safety glasses	
kin and body protection:	
Wear suitable protective clothing	
Respiratory protection:	
n case of insufficient ventilation, wear suitable respiratory equipment	

Personal protective equipment symbol(s):







Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Colourless or pale yellow.

Odour
Odour
Codour
Codour threshold
Codour threshold
Codour threshold
Codour threshold
Codour

Boiling point : 155 - 172 °C @ 1012 hPa

Flash point : 46 °C

Auto-ignition temperature : 254 - 255 °C

Decomposition temperature : No data available

Flammability (solid, gas) : Not applicable

Vapour pressure : 200 Pa

Relative vapour density at 20 $^{\circ}$ C : No data available Relative density : $\approx 0.89 \otimes 20 ^{\circ}$ C

Solubility : Water: Slightly soluble in water. 0.1-100 mg/L

Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available

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Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

Refractive index : ≈ 1.469 @ 20°C

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong bases. Strong acids. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Cineole	(470-82-6)
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Ontolio (470 02 0)	
LD50 oral rat	2480 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l

Limonene (5989-27-5)

· /	
LD50 oral rat	4400 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l

Alpha-Pinene (80-56-8 / 7785-26-4)

	"
LD50 oral rat	3700 ma/ka
EBOO GIGITAL	or oo mg/kg

p-Cymene (99-87-6)

LD50 oral rat	4750 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

Beta-Pinene (127-91-3)

LD50 dermal rat ≈ 4700 mg/kg

Myrcene (123-35-3)

LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

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Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

SECTIO	N 12: Eco	logical in	formation

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Limonene (5989-27-5)	
LC50 fish 1	≈ 33 mg/l
EC50 Daphnia 1	0.1 - 1 mg/l
ErC50 (algae)	0.1 - 1 mg/l

p-Cymene (99-87-6)	
LC50 fish 1 48 mg/l	
EC50 Daphnia 1 6.5 mg/l	
12.2. Persistence and degradability	
Cineole (470-82-6)	
Persistence and degradability Not established.	

Limonene (5989-27-5)		
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.	

Alpha-Pinene (80-56-8 / 7785-26-4)		l
Persistence and degradability	Not established. May cause long-term adverse effects in the environment	1

p-Cymene (99-87-6)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment

gamma-Terpinene (99-85-4)	
Persistence and degradability	Not established.

Beta-Pinene (127-91-3)			
	Persistence and degradability	Not established. May cause long-term adverse effects in the environment.	

alpha-Phellandrene (99-83-2)		
	Persistence and degradability	Not established.

Myrcene (123-35-3)		ı
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.	1

Sabinene (3387-41-5)	
Persistence and degradability	Not established.

Terpinolene (586-62-9)	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.

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alpha-Terpineol (98-55-5)	
Persistence and degradability	Not established.
Terpinene-4-ol (562-74-3)	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
Cineole (470-82-6)	
Bioaccumulative potential	Not established.
Limonene (5989-27-5)	
Bioaccumulative potential	Not established.
Dioaccumulative potential	Not established.
Alpha-Pinene (80-56-8 / 7785-26-4)	
Bioaccumulative potential	Not established.
p-Cymene (99-87-6)	
Bioaccumulative potential	Not established.
gamma-Terpinene (99-85-4)	
Bioaccumulative potential	Not established.
Diodeconnaidave potential	Tot established.
Beta-Pinene (127-91-3)	
Bioaccumulative potential	Not established.
sinha Bhallandrana (00.92.2)	
alpha-Phellandrene (99-83-2)	N. AA-L-K-Ld
Bioaccumulative potential	Not established.
Myrcene (123-35-3)	
Log Pow	5.29
Bioaccumulative potential	Not established.
·	
Sabinene (3387-41-5)	
Bioaccumulative potential	Not established.
Terpinolene (586-62-9)	
Bioaccumulative potential	Not established.
alpha-Terpineol (98-55-5)	
Bioaccumulative potential	Not established.
Terpinene-4-ol (562-74-3)	
	Not actablished
Bioaccumulative potential 12.4. Mobility in soil	Not established.
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Other adverse effects No additional information available	
additional information dyaliable	

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Must follow special treatment according to local regulation.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
UN 1130	UN 1130	UN 1130	UN 1130	UN 1130	
14.2. UN proper shipping name					
CAMPHOR OIL	CAMPHOR OIL	Camphor oil	CAMPHOR OIL	CAMPHOR OIL	
Transport document description					
UN 1130 CAMPHOR OIL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1130 CAMPHOR OIL, 3, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS (47°C c.c.)	UN 1130 Camphor oil, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1130 CAMPHOR OIL, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1130 CAMPHOR OIL, 3, III, ENVIRONMENTALLY HAZARDOUS	
14.3. Transport hazard class(es)					
3	3	3	3	3	
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	
14.4. Packing group					
III	III	III	III	III	
14.5. Environmental hazards					
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	

No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

: TP1

: 3Y

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions : T2
(ADR)

Portable tank and bulk container special provisions

(ADR)

Orange plates

EAC code

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30

Tunnel restriction code (ADR) : D/E

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Transport by sea

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001, LP01 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T2 Tank special provisions (IMDG) : TP1 EmS-No. (Fire) : F-E : S-E EmS-No. (Spillage) Stowage category (IMDG) . A : 47°C c.c. Flash point (IMDG)

Properties and observations (IMDG) : Colourless oil with a characteristic odour. Flashpoint: 47°C c.c. Immiscible with water.

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : F1
Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T2
Portable tank and bulk container special provisions : TP1
(RID)

Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Camphor Essential Oil is not on the REACH Candidate List

Camphor Essential Oil is not on the REACH Annex XIV List

Camphor Essential Oil is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Camphor Essential Oil is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.1.2. National regulations

No additional information available

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:			
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Asp. Tox. 1	Aspiration hazard, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
Skin Sens. 1	Skin sensitisation, Category 1		
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation		
H226	Flammable liquid and vapour.		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H319	Causes serious eye irritation.		
H335	May cause respiratory irritation.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
H411	Toxic to aquatic life with long lasting effects.		

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product