



**SUBJECT** Safety Data Sheet (SDS)

**SERVICE LOCATION** TÜV SÜD China  
TÜV SÜD Products Testing (Shanghai) Co., Ltd.  
B-3/4, No.1999 Du Hui Road, Minhang District  
Shanghai 201108, P.R. China

**CLIENT NAME** CANNAPRESSO HEALTH INC

**CLIENT ADDRESS** 202 North California Avenue, City of Industry, CA91744

The sample information was submitted and identified on applicant's behalf to be:

**SAMPLE NAME** CBD OIL ( $\leq 2000\text{mg}/10\text{ml}$ ) (For all tastes)

**PREPARED PERIOD** 30-Nov-2018~07-Dec-2018

**SERVICE REQUESTED** Based on the information provided by the applicant, the Safety Data Sheet (SDS) was prepared according to EU regulation No. 2015/830

Prepared By

(Gao Ju)  
Report Drafter

Authorized By

(Shen Li)  
Authorized Signatory

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## Safety Data Sheet

# CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

\*Prepared according to EU regulation No. 2015/830

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

### Product identifier

Product Name	CBD OIL ( ≤2000mg/10ml ) ( For all tastes )
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	Not applicable

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

### Details of the supplier of the Safety Data Sheet

Name of the company	CANNAPRESSO HEALTH INC
Address of the company	202 North California Avenue, City of Industry, CA91744
Post code	/
Telephone number	1-626-855-0800
Fax number	/
E-mail address	info@cannapresso.com

### Emergency phone number


Emergency phone number	1-626-855-0800
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## 2 Hazards identification

### CLP classification according to Regulation ( EC ) No. 1272/2008

Sensitization – Skin	Category 1
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### Label elements

Hazard pictograms	
Signal word	<b>Warning</b>

### Hazard statements

H317	May cause an allergic skin reaction
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### Precautionary statements

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

◆ Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

◆ Response

P364	And wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

◆ Storage

Storage	Not applicable
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◆ Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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| Other hazards

EUH208	Contains sensitising substance. May produce an allergic reaction
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**3** Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Decanoic acid, ester with 1,2,3-propanetriol octanoate	65381-09-1	265-724-3	-	Not Classified	≤ 78.37
Cannabidiol	13956-29-1	200-659-6	-	Acute Toxicity – Oral , Category 4 , H302	≤ 20
Leaf alcohol	928-96-1	213-192-8	-	Flammable Liquids , Category 3 , H226 ; Serious Eye Damage/Irritation , Category 2A , H319	≤ 0.27
Ethyl butyrate	105-54-4	203-306-4	-	Flammable Liquids , Category 3 , H226	≤ 0.25
1-(4-heptylphenyl)ethan-1-one	37593-03-6	253-560-5	-	Not Classified	≤ 0.13
Methyl cinnamate	103-26-4	203-093-8	-	Sensitization – Skin ,Category 1 , H317	≤ 0.13
Dipentene	138-86-3	205-341-0	601-029-00-7	Flammable Liquids , Category 3 , H226 ; Skin Corrosion/Irritation , Category 2 ,H315 ;Sensitization – Skin , Category 1 , H317 ; Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard , Category 1 , H400 ; Hazardous To The Aquatic Environment – Long-Term (Chronic) Hazard , Category 1 , H410	≤ 0.13
β-caryophyllene	87-44-5	204-267-6	-	Aspiration Hazard , Category 1 ,H304 ;Sensitization – Skin , Category 1 , H317 ; Hazardous To The Aquatic Environment –	≤ 0.1

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

				Long-Term (Chronic) Hazard , Category 4 , H413	
Ethyl hexanoate	123-66-0	204-640-3	-	Flammable Liquids , Category 3 , H226 ; Skin Corrosion/Irritation , Category 2 , H315	≤ 0.09
Propylene Glycol	57-55-6	200-338-0	-	Not Classified	≤ 0.09
Hydroxyacetone	116-09-6	204-124-8	-	Not Classified	≤ 0.07
γ-Decalactone	706-14-9	211-892-8	-	Not Classified	≤ 0.07
β-myrcene	123-35-3	204-622-5	-	Flammable Liquids , Category 3 , H226 ; Aspiration Hazard , Category 1 , H304 ; Skin Corrosion/Irritation , Category 2 , H315 ; Serious Eye Damage/Irritation , Category 2A , H319 ; Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard , Category 1 , H400 ; Hazardous To The Aquatic Environment – Long-Term (Chronic) Hazard , Category 1 , H410	≤ 0.06
Ethyl 2-methylbutyrate	7452-79-1	231-225-4	-	Flammable Liquids , Category 3 , H226	≤ 0.06
Ethyl maltol	4940-11-8	225-582-5	-	Acute Toxicity – Oral , Category 4 , H302	≤ 0.06
Linalool	78-70-6	201-134-4	603-235-00-2	Sensitization – Skin , Category 1 , H317	≤ 0.03
2-methylbutyl isobutyrate	2445-69-4	219-493-0	-	Not Classified	≤ 0.03
β-pinene	127-91-3	204-872-5	-	Flammable Liquids , Category 3 , H226 ; Aspiration Hazard , Category 1 , H304 ; Skin Corrosion/Irritation , Category 2 , H315 ; Sensitization – Skin , Category 1 , H317 ; Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard , Category 1 , H400 ; Hazardous To The Aquatic Environment – Long-Term (Chronic) Hazard , Category 1 , H410	≤ 0.03
Fenchol	1632-73-1	216-639-5	-	Not Classified	≤ 0.02
g-Terpinene	99-85-4	202-794-6	-	Flammable Liquids , Category 3 , H226 ; Aspiration Hazard , Category 1 , H304	≤ 0.01

#### 4 First aid measures

##### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Skin contact</b>	No harm in general situation. First aid is not needed. Wash off with plenty of

## CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

	water.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
<b>Protecting of first-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### **| Most important symptoms and effects, both acute and delayed**

1	Please see section 11.
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### **| Indication of any immediate medical attention and special treatment needed**

1	Treat symptomatically.
2	Symptoms may be delayed.

## **5** Firefighting measures

### **| Extinguishing media**

<b>Suitable extinguishing media</b>	Dry chemical, carbon dioxide or alcohol-resistant foam.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter or spread fire.

### **| Specific hazards arising from the substance or mixture**

1	Development of hazardous combustion gases or vapor possible in the event of fire.
2	May expansion or decompose explosively when heated or involved in fire.

### **| Advice for firefighters**

1	As in any fire, wear self-contained breathing apparatus ( MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Suppress ( knock down) gases/vapor/mists with water spray.

## **6** Accidental release measures

### **| Personal precautions, protective equipment and emergency procedures**

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment. Avoid breathing vapours, mist or gas.

### **| Environmental precautions**

1	Prevent further leakage or spillage if safe to do so.
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### **| Methods and materials for containment and cleaning up**

1	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
2	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
3	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## **7** Handling and storage

## Precautions for handling

### ◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.

### ◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
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### ◆ Measures to prevent aerosol and dust generation

1	Not applicable.
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### ◆ Advice on general occupational hygiene

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.

## Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.
5	Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## Specific end uses

1	In addition to use mentioned in the first parts, unforeseen other specific end uses.
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## 8 Exposure controls/personal protection

### Control parameters

#### ◆ Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Dipentene 138-86-3	Sweden	25	150	50	300
Propylene Glycol 57-55-6	United Kingdom	-	10	-	-
	United Kingdom	150	474	-	-
	New Zealand	150	474	-	-
	Latvia	-	7	-	-
	Ireland	-	10	-	-
	Ireland	150	470	-	-
	Canada - Ontario	-	10	-	-
	Canada - Ontario	50	155	-	-
	Australia	-	10	-	-

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

	Australia	150	474	-	-
β-pinene 127-91-3	Sweden	25	150	50	300
	Denmark	25	140	50	280
	Canada - Ontario	20	-	-	-
	Belgium	20	-	-	-

◆ Biological limit values

<b>Biological limit values</b>	No information available
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◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air( Series standard ).

◆ Derived No effect level(DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Decanoic acid, ester with 1,2,3-propanetriol octanoate 65381-09-1	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Cannabidiol 13956-29-1	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Leaf alcohol 928-96-1	Inhalation	No data available	No data available	No data available	11.75 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Ethyl butyrate 105-54-4	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
1-(4-heptylphenyl) ethan-1-one 37593-03-6	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Methyl cinnamate 103-26-4	Inhalation	No data available	No data available	No data available	28.2 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

Dipentene 138-86-3	Inhalation	No data available	No data available	No data available	33.3 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
β-caryophyllene 87-44-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Ethyl hexanoate 123-66-0	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Propylene Glycol 57-55-6	Inhalation	No data available	No data available	10 mg/m <sup>3</sup>	168 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Hydroxyacetone 116-09-6	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
γ-Decalactone 706-14-9	Inhalation	No data available	No data available	No data available	17.5 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
β-myrcene 123-35-3	Inhalation	No data available	No data available	No data available	5.83 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Ethyl 2-methylbutyrate 7452-79-1	Inhalation	No data available	No data available	No data available	26 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Ethyl maltol 4940-11-8	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Linalool 78-70-6	Inhalation	No data available	No data available	No data available	2.8 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available



CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

	Dermal	No data available	No data available	No data available	No data available
2-methylbutyl isobutyrate 2445-69-4	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
β-pinene 127-91-3	Inhalation	No data available	No data available	No data available	5.69 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Fenchol 1632-73-1	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
g-Terpinene 99-85-4	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration ( PNEC )

<b>Predicted No Effect Concentration ( PNEC )</b>	No information available
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**Engineering controls**

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

**Personal protection equipment**

<b>General requirement</b>	
<b>Eye protection</b>	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).
<b>Hand protection</b>	Wear protective gloves ( such as butyl rubber ), passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
<b>Respiratory protection</b>	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
<b>Skin and body protection</b>	Wear fire/flame resistant/retardant clothing and antistatic boots.

**9 Physical and chemical properties**

**Physical and chemical properties**

<b>Appearance</b>	Light yellow or red transparent liquid
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CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting point/freezing point(°C)</b>	< 20
<b>Initial boiling point and boiling range(°C)</b>	456 ( 760 mmHg )
<b>Flash point(Closed cup, °C)</b>	142.6
<b>Evaporation rate</b>	No information available
<b>Flammability</b>	Not flammable
<b>Upper/lower explosive limits[% (v/v)]</b>	Upper limit : No information available ; Lower limit : No information available
<b>Vapor pressure</b>	0±2.5 mmHg ( 25°C )
<b>Vapor density(Air = 1)</b>	> 1
<b>Relative density(Water=1)</b>	0.94-0.96
<b>Solubility(mg/L)</b>	No information available
<b>n-octanol/water partition coefficient</b>	No information available
<b>Auto-ignition temperature(°C)</b>	No information available
<b>Decomposition temperature(°C)</b>	No information available
<b>Viscosity(mm<sup>2</sup>/s)</b>	( 15~31 ) ×10 <sup>-3</sup> Pa·s ( 25°C )
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	Not oxidizing

## 10 Stability and reactivity

### | Stability and reactivity

<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical stability</b>	Stable under proper operation and storage conditions.
<b>Possibility of hazardous reactions</b>	No information available.
<b>Conditions to avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible materials</b>	Strong oxidizing agent.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 Toxicological information

### | Acute toxicity

Component	Cas No.	LD <sub>50</sub> (oral)	LD <sub>50</sub> (dermal)	LC <sub>50</sub> (inhalation,4h)
g-Terpinene	99-85-4	3650mg/kg(Rat)	No information available	No information available
β-myrcene	123-35-3	> 5000mg/kg(Rat)	> 5000mg/kg(Rabbit)	No information available

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

Ethyl maltol	4940-11-8	1150mg/kg(Rat)	> 5000mg/kg(Rabbit)	No information available
Hydroxyacetone	116-09-6	2200mg/kg(Rat)	No information available	No information available
Propylene Glycol	57-55-6	20000mg/kg(Rat)	20800mg/kg(Rabbit)	No information available
Ethyl butyrate	105-54-4	13000mg/kg(Rat)	> 2000mg/kg(Rabbit)	No information available
Linalool	78-70-6	2790mg/kg(Rat)	5610mg/kg(Rabbit)	No information available
Dipentene	138-86-3	5300mg/kg(Rat)	No information available	No information available
Methyl cinnamate	103-26-4	2610mg/kg(Rat)	> 5000mg/kg(Rabbit)	No information available
β-pinene	127-91-3	4700mg/kg(Rat)	No information available	No information available
Leaf alcohol	928-96-1	4700mg/kg(Rat)	> 5000mg/kg(Rabbit)	No information available

**Carcinogenicity**

ID	Cas No.	Component	IARC	NTP
1	65381-09-1	Decanoic acid, ester with 1,2,3-propanetriol octanoate	Not Listed	Not Listed
2	13956-29-1	Cannabidiol	Not Listed	Not Listed
3	928-96-1	Leaf alcohol	Not Listed	Not Listed
4	105-54-4	Ethyl butyrate	Not Listed	Not Listed
5	37593-03-6	1-(4-heptylphenyl)ethan-1-one	Not Listed	Not Listed
6	103-26-4	Methyl cinnamate	Not Listed	Not Listed
7	138-86-3	Dipentene	Not Listed	Not Listed
8	87-44-5	β-caryophyllene	Not Listed	Not Listed
9	123-66-0	Ethyl hexanoate	Not Listed	Not Listed
10	57-55-6	Propylene Glycol	Not Listed	Not Listed
11	116-09-6	Hydroxyacetone	Not Listed	Not Listed
12	706-14-9	γ-Decalactone	Not Listed	Not Listed
13	123-35-3	β-myrcene	Not Listed	Not Listed
14	7452-79-1	Ethyl 2-methylbutyrate	Not Listed	Not Listed
15	4940-11-8	Ethyl maltol	Not Listed	Not Listed
16	78-70-6	Linalool	Not Listed	Not Listed
17	2445-69-4	2-methylbutyl isobutyrate	Not Listed	Not Listed

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

18	127-91-3	β-pinene	Not Listed	Not Listed
19	1632-73-1	Fenchol	Not Listed	Not Listed
20	99-85-4	g-Terpinene	Not Listed	Not Listed

**Others**

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )	
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met
<b>Skin sensitization</b>	May cause an allergic skin reaction
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity(additional)</b>	Based on available data, the classification criteria are not met

**12 Ecological information**

**Acute aquatic toxicity**

Component	Cas No.	Fish	Crustaceans	Algae
β-myrcene	123-35-3	LC <sub>50</sub> : 0.92mg/L (96h)(Fish)	EC <sub>50</sub> : 0.45mg/L (48h)(Crustaceans)	ErC <sub>50</sub> : >1.6mg/L (72h)(Algae)
Ethyl hexanoate	123-66-0	LC <sub>50</sub> : 8.94mg/L (96h)(Fish)	No information available	No information available
Propylene Glycol	57-55-6	LC <sub>50</sub> : 39800mg/L (96h)(Fish)	EC <sub>50</sub> : >1000mg/L (48h)(Crustaceans)	ErC <sub>50</sub> : >1000mg/L (72h)(Algae)
Linalool	78-70-6	LC <sub>50</sub> : 39mg/L (96h)(Fish)	EC <sub>50</sub> : 52mg/L (48h)(Crustaceans)	ErC <sub>50</sub> : >34mg/L (72h)(Algae)
Dipentene	138-86-3	LC <sub>50</sub> : 1.1mg/L (96h)(Fish)	EC <sub>50</sub> : 0.70mg/L (48h)(Crustaceans)	ErC <sub>50</sub> : >1.6mg/L (72h)(Algae)

**Chronic aquatic toxicity**

Component	Cas No.	Fish	Crustaceans	Algae
β-myrcene	123-35-3	No information available	NOEC : 0.12mg/L (Crustaceans)	NOEC : 0.23mg/L (Algae)
Propylene Glycol	57-55-6	NOEC : >100mg/L (Fish)	NOEC : 1000mg/L (Crustaceans)	NOEC : 1000mg/L (Algae)
Linalool	78-70-6	No information available	NOEC : 9.5mg/L (Crustaceans)	NOEC : 5.6mg/L (Algae)
Dipentene	138-86-3	No information available	NOEC : 0.27mg/L (Crustaceans)	NOEC : 1.6mg/L (Algae)

**Persistence and degradability**

Component	Cas No.	Persistence (water/soil)	Persistence (air)
Methyl cinnamate	103-26-4	Low	Low
Hydroxyacetone	116-09-6	Low	Low
Dipentene	138-86-3	High	High
Fenchol	1632-73-1	High	High
Ethyl maltol	4940-11-8	High	High
Propylene Glycol	57-55-6	Low	Low
γ-Decalactone	706-14-9	Low	Low
Ethyl 2-methylbutyrate	7452-79-1	Low	Low
Linalool	78-70-6	High	High
β-caryophyllene	87-44-5	High	High
Leaf alcohol	928-96-1	Low	Low
g-Terpinene	99-85-4	High	High

**Bioaccumulative potential**

Component	Cas No.	Bioaccumulative potential	comments
Methyl cinnamate	103-26-4	Low	Log K <sub>ow</sub> =2.62
Hydroxyacetone	116-09-6	Low	Log K <sub>ow</sub> =-0.782
Dipentene	138-86-3	High	Log K <sub>ow</sub> =4.8275
Fenchol	1632-73-1	Low	Log K <sub>ow</sub> =3.17
Ethyl maltol	4940-11-8	Low	Log K <sub>ow</sub> =1.787
Propylene Glycol	57-55-6	Low	BCF=1
γ-Decalactone	706-14-9	Low	Log K <sub>ow</sub> =2.72
Ethyl 2-methylbutyrate	7452-79-1	Low	Log K <sub>ow</sub> =2.264
Linalool	78-70-6	Low	Log K <sub>ow</sub> =2.97
β-caryophyllene	87-44-5	High	Log K <sub>ow</sub> =6.3018
Leaf alcohol	928-96-1	Low	Log K <sub>ow</sub> =1.6082
g-Terpinene	99-85-4	Medium	Log K <sub>ow</sub> =4.5

**Mobility in soil**

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (K <sub>oc</sub> )
Methyl cinnamate	103-26-4	Low	258.4
Hydroxyacetone	116-09-6	High	1
Dipentene	138-86-3	Low	1324

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

<b>Fenchol</b>	1632-73-1	Low	55.62
<b>Ethyl maltol</b>	4940-11-8	Low	10
<b>Propylene Glycol</b>	57-55-6	High	1
<b>γ-Decalactone</b>	706-14-9	Low	258.4
<b>Ethyl 2-methylbutyrate</b>	7452-79-1	Low	36.12
<b>Linalool</b>	78-70-6	Low	56.32
<b>β-caryophyllene</b>	87-44-5	Low	22290
<b>Leaf alcohol</b>	928-96-1	Low	8.311
<b>g-Terpinene</b>	99-85-4	Low	1324

**Results of PBT and vPvB assessment**

<b>Component</b>	<b>Cas No.</b>	<b>Results of PBT and vPvB assessment ( according to (EC) No 2015/830)</b>
<b>Decanoic acid, ester with 1,2,3-propanetriol octanoate</b>	65381-09-1	not PBT/vPvB
<b>Cannabidiol</b>	13956-29-1	not PBT/vPvB
<b>Leaf alcohol</b>	928-96-1	not PBT/vPvB
<b>Ethyl butyrate</b>	105-54-4	not PBT/vPvB
<b>1-(4-heptylphenyl)ethan-1-one</b>	37593-03-6	not PBT/vPvB
<b>Methyl cinnamate</b>	103-26-4	not PBT/vPvB
<b>Dipentene</b>	138-86-3	not PBT/vPvB
<b>β-caryophyllene</b>	87-44-5	not PBT/vPvB
<b>Ethyl hexanoate</b>	123-66-0	not PBT/vPvB
<b>Propylene Glycol</b>	57-55-6	not PBT/vPvB
<b>Hydroxyacetone</b>	116-09-6	not PBT/vPvB
<b>γ-Decalactone</b>	706-14-9	not PBT/vPvB
<b>β-myrcene</b>	123-35-3	not PBT/vPvB
<b>Ethyl 2-methylbutyrate</b>	7452-79-1	not PBT/vPvB
<b>Ethyl maltol</b>	4940-11-8	not PBT/vPvB
<b>Linalool</b>	78-70-6	not PBT/vPvB
<b>2-methylbutyl isobutyrate</b>	2445-69-4	not PBT/vPvB
<b>β-pinene</b>	127-91-3	not PBT/vPvB
<b>Fenchol</b>	1632-73-1	not PBT/vPvB
<b>g-Terpinene</b>	99-85-4	not PBT/vPvB

**13 Disposal considerations**

**Disposal considerations**

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

<b>Waste chemicals</b>	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
<b>Contaminated packaging</b>	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
<b>Disposal recommendations</b>	Refer to section 13.1and 13.2.

## 14 Transport information

### Label and Mark

<b>Transporting Label</b>	Not applicable
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### IMDG-CODE

<b>IMDG-CODE</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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### ICAO/IATA-DGR

<b>ICAO/IATA-DGR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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### UN-ADR

<b>UN-ADR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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## 15 Regulatory information

### International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Decanoic acid, ester with 1,2,3-propanetriol octanoate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cannabidiol	✗	✗	✗	✗	✗	✗	✗	✗	✗
Leaf alcohol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethyl butyrate	✓	✓	✓	✓	✓	✓	✓	✓	✓
1-(4-heptylphenyl)ethan-1-one	✓	✓	✗	✗	✗	✗	✗	✗	✗
Methyl cinnamate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dipentene	✓	✓	✓	✓	✓	✓	✓	✓	✓
β-caryophyllene	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethyl hexanoate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Propylene Glycol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hydroxyacetone	✓	✓	✗	✓	✓	✓	✓	✓	✗
γ-Decalactone	✓	✓	✓	✓	✓	✓	✓	✓	✓
β-myrcene	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethyl 2-methylbutyrate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethyl maltol	✓	✓	✓	✓	✓	✓	✗	✓	✓
Linalool	✓	✓	✓	✓	✓	✓	✓	✓	✓
2-methylbutyl isobutyrate	✓	✗	✗	✗	✓	✗	✓	✗	✓

CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

β-pinene	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fenchol	✓	✓	✓	✓	✓	✓	✓	✓	✗
g-Terpinene	✓	✓	✓	✓	✓	✓	✓	✓	✓

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AICS】 Australia Inventory of Chemical Substances

【ENCS】 Existing And New Chemical Substances

**European chemical inventory**

Component	A	B	C	D	E	F	G
Decanoic acid, ester with 1,2,3-propanetriol octanoate	✗	✗	✗	✓	✗	✗	✗
Cannabidiol	✗	✗	✓	✓	✓	✓	✗
Leaf alcohol	✗	✗	✗	✓	✓	✗	✗
Ethyl butyrate	✗	✗	✗	✓	✗	✗	✗
1-(4-heptylphenyl)ethan-1-one	✗	✗	✗	✓	✗	✗	✗
Methyl cinnamate	✗	✗	✗	✓	✓	✗	✗
Dipentene	✗	✗	✓	✓	✗	✗	✗
β-caryophyllene	✗	✗	✗	✓	✗	✗	✗
Ethyl hexanoate	✗	✗	✗	✓	✗	✗	✗
Propylene Glycol	✗	✗	✗	✓	✓	✗	✗
Hydroxyacetone	✗	✗	✗	✓	✗	✗	✗
γ-Decalactone	✗	✗	✗	✓	✓	✗	✗
β-myrcene	✗	✗	✗	✓	✓	✗	✗
Ethyl 2-methylbutyrate	✗	✗	✗	✓	✓	✗	✗
Ethyl maltol	✗	✗	✗	✓	✗	✗	✗
Linalool	✗	✗	✗	✓	✓	✗	✗
2-methylbutyl isobutyrate	✗	✗	✗	✓	✗	✗	✗
β-pinene	✗	✗	✗	✓	✓	✓	✗
Fenchol	✗	✗	✗	✓	✗	✗	✗
g-Terpinene	✗	✗	✗	✓	✗	✗	✗

【A】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation



## CBD OIL ( ≤2000mg/10ml ) ( For all tastes )

- [B]** Substances requiring authorisation under EU REACH regulation
- [C]** Substances restricted under EU REACH
- [D]** Pre-registered substances under EU REACH
- [E]** Registered substances under EU REACH
- [F]** Substance Evaluation – CoRAP under EU REACH
- [G]** List of priority substances under EU water policy ( Directive 2455/2001/EC )

### Note

“√” Indicates that the substance included in the regulations

“x” That no data or included in the regulations

## 16 Others

### Information on revision

<b>Creation Date</b>	2018/12/07
<b>Revision Date</b>	2018/12/07
<b>Reason for revision</b>	-

### Reference

[1]IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.

[2]IARC , website: <http://www.iarc.fr/>.

[3]OECD: The Global Portal to Information on Chemical Substances, website:  
[http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en).

[4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

[5]NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

[7]U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

[8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

### Abbreviations and acronyms

**CAS** –Chemical Abstracts Service

**PC-STEL**- Short term exposure limit

**DNEL** - Derived No Effect Level

**RPE** - Respiratory Protective Equipment

**LC<sub>50</sub>** - Lethal Concentration 50%

**NOEC** -No Observed Effect Concentration

**PBT** - Persistent, Bioaccumulative, Toxic

**BCF** - Bioconcentration factor (BCF)

**IMDG**-International Maritime Dangerous Goods

**UN**-The United Nations

**NFPA**-National Fire Protection Association

**CMR** - Carcinogens, mutagens or substances toxic to reproduction

**PC-TWA** - Time Weighted Average

**IARC** - International Agency for Research on Cancer

**PNEC** –Predicted No Effect Concentration

**LD<sub>50</sub>** - Lethal Dose 50%

**EC<sub>50</sub>** - Effective Concentration 50%

**POW** - Partition coefficient Octanol: Water

**vPvB** - very Persistent, very Bioaccumulative

**ICAO/IATA**-International Civil Aviation Organization/International Air Transportation Association

**ACGIH**-American Conference of Governmental Industrial Hygienists

**OECD**-Organization for Economic Co-operation and Development

## **| Disclaimer**

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.