




(-)-trans-Cannabidiol

IUPAC Name: 2-[(1R,6R)-3-methyl-6-prop-1-en-2-yl-1-cyclohex-2-enyl]-5-pentylbenzene-1,3-diol
CAS Number: 13956-29-1
HS Code: 2907 29 – Phenols; phenol-alcohols

Organoleptic aspect: whitish to yellowish powder, tasteless, odourless
Range of particle size: 10-500 micro meter (average 200 µm)
Particle size in oily solution: 1.5 nano meter

GACP/EU Bio certified: No/No
HACCP/Certified: Yes/No
Certifications:  Kosher Parve

Chemical tests

Cannabidiol $\geq 98.0\%$
C3 and C4 homologues $\leq 2.0\%$
THC n.d.
Moisture $\leq 0.01\%$
Ash $\leq 0.02\%$
Calculated density 1.07 g/cm^3
Melting point 339-340 K

Microbiological tests

Total Plate Count <10 cfu/g
Yeast and Mold <10 cfu/g
Enterobacteriaceae absent (cfu/25g)
Salmonella absent (cfu/25g)
E. coli absent (cfu/25g)
Aflatoxins
B1, B2, G1, G2 <4 ppb
B1 <1 ppb

Contaminants

Pb	<0.075 mg/kg	Pesticides	<0.01 mg/kg
Cd	<0.020 mg/kg	PAHs	<0.05 mg/kg
As	<0.150 mg/kg	Residual Class III solvents	$\leq 500 \text{ mg/kg}$
Hg	<0.010 mg/kg		

Solubility: Alcohols, Alkanes, Aromatic hydrocarbon, Chlorinated solvents, Polar aprotic solvents. Not soluble in water.

Nutritional profile per 100g: Energy: 0kJ/0kCal, Fats 0g, of which Saturates 0g, Carbohydrates 0g, of which Sugars 0g, Fiber 0g, Protein 0g, Salt 0g

Usage: For professional use only, such as cosmetics, e-liquids and foods.

Marketing authorization needed in EU for food use as per EU/2015/2283.

EU CosIng claims: antioxidant, antiseborrhoeic, skin conditioning, skin protecting

Disclaimer: **This product is not intended to diagnose, treat, cure or prevent any disease**

Packaging: HDPE jar
Shelf life: 24 months from date of production in cool and dark place.
MOQ: 100 g
Supplier: CBDepot, s.r.o. Masarykova 54, 415 01 Teplice, Czech Republic
info@cbdepot.eu, www.CBDepot.eu,
tel.: +421 905 853 870, fax: +421 43 5866 751

SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

Cannabidiol

Date of creation	02. February 2015	Version	3.0
Date of revision	29. June 2017		

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

- 1.1. Product identifier**
Substance / mixture Cannabidiol
Chemical name substance
2-[(1R,6R)-3-methyl-6-prop-1-en-2-ylcyclohex-2-en-1-yl]-5-pentylbenzene-1,3-diol|
CAS number 13956-29-1
Other names of the substance 2-[(1R,6R)-3-methyl-6-prop-1-en-2-ylcyclohex-2-en-1-yl]-5-pentylbenzene-1,3-diol|
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Intended use of the substance Food, cosmetic and electronic cigarette liquid raw material. For professional use only
Not recommended use of the substance The product should not be used in ways other than those referred in Section 1.
Chemical safety report
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name PharmaCan s.r.o
Address Kvapilova 927/14, Praha 5, 15000
Phone 773 137 973
Competent person responsible for the safety data sheet
Name GRACILIS s.r.o.
E-mail info@gracilis.cz
- 1.4. Emergency telephone number**
National poisoning information centre UK, tel.: +44 844 892 0111. National Poisons Information Service Ireland, tel.: +353 1 809 2566. National poisoning information centre Scotland, tel.: 08454 242424 or 111. National Poisons Information Service Edinburgh, Royal Infirmary of Edinburgh, Little France Crescent, Edinburgh, EH16 4SA, tel.: +44 131 242 1383.

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the substance in accordance with Regulation (EC) No 1272/2008
The substance is classified as dangerous.

Acute Tox. 4, H302
Repr. 2, H361

Full text of all classifications and H-phrases is given in the section 16.

The most serious adverse physico-chemical effects

Unknown.

The most serious adverse effects on human health and the environment

Harmful if swallowed. Suspected of damaging fertility or the unborn child.

- 2.2. Label elements**

Hazard pictogram



Signal word

Warning

Dangerous substance

2-[(1R,6R)-3-methyl-6-prop-1-en-2-ylcyclohex-2-en-1-yl]-5-pentylbenzene-1,3-diol| (CAS: 13956-29-1)

Standard hazardous statements

H302 Harmful if swallowed.
H361 Suspected of damaging fertility or the unborn child.

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Instructions for safe handling

- P201 Obtain special instructions before use.
P264 Wash hands and exposed parts of the body thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P280 Wear protective gloves.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

2.3. Other hazards

Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Formula: C₂₁H₃₀O₂. Molecular Weight: 314.4636.

Identification numbers	Name of the substance	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 13956-29-1	main component of the substance 2-[[1R,6R)-3-methyl-6-prop-1-en-2-ylcyclohex-2-en-1-yl]-5-pentylbenzene-1,3-diol	90-100	Acute Tox. 4, H302 Repr. 2, H361	

Full text of all classifications and H-phrases is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

Inhalation

Move the affected person to fresh air. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

Skin contact

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible, and soap. Provide medical treatment if skin irritation persists.

Eye contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment if eye irritation persists.

Ingestion

Drink plenty of water. Provide medical treatment if the person has any health problems.

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

Inhalation

Not expected.

Skin contact

Long-term exposition: There may be mild irritation at the site of contact.

Eye contact

There may be irritation and redness.

Ingestion

Ingestion big amount: nausea, vomiting, irritation of the throat.

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

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

foam, carbon dioxide, powder, water spray jet, water mist

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

Heavy, black smoke is produced in a fire, with potential development of carbon monoxide and dioxide and other toxic gases. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

The mixture is non-flammable. Provide sufficient ventilation. Use gloves in case of prolonged contact. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Spilled product to be contained in well closed containers and removed as per Section 13. Collected material should be disposed of in accordance with locally valid regulations. Upon an escape of large quantities of the mixture, inform the Fire Department and the Environmental Department of the Municipal Authority with extended scope of competencies. After removal of the mixture, wash the contaminated site with plenty of water or another suitable cleaning material. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The mixture should be used only in areas where it is not in contact with open fire and other ignition sources. Prevent contact with skin, eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations laying down safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a cool, dry place intended for this purpose. Do not expose to sunlight.

Storage temperature

min 5 °C, max 30 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

none

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles if there is a risk of entering eyes.

Skin protection

Hand protection: protective gloves - chemical resistant. Observe recommendations of the particular manufacturer of the gloves in the choice of their appropriate thickness, material and permeability. Other protection: protective clothing.

Respiratory protection

In normal use is not necessary. Mask with a filter if exposure limit values of toxic substances are exceeded or in a poorly ventilated environment.

Thermal hazard

not available

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	solid at 20°C
color	colourless, clear
Odour	without fragrance
Odour threshold	data not available
pH	6.8 (undiluted)
Melting point/freezing point	23 °C
Initial boiling point and boiling range	214-225 °C
Flash point	>170 °C
Evaporation rate	data not available
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	0.1067 at 20 °C
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	insoluble
solubility in fats	soluble
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	47.68 mPa.s
Explosive properties	data not available
Oxidising properties	data not available

9.2. Other information

Density	1.065 g/cm ³ at 20 °C
ignition temperature	data not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

The product is stable under normal conditions.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use.

10.5. Incompatible materials

Protect against strong acids and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide, heavy smoke and nitrogen oxides are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

IVN-MUS LD50: 50mg/kg; IVN-DOG LD50: >254mg/kg; IVN-MKY LD50: 212mg/kg; ORL-MKY TDL: 27gm/kg; ORL-MUS TDL: 750mg/kg.

Acute toxicity

Harmful if swallowed.

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Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Based on available data the classification criteria are not met.

12.2. Persistence and degradability

not available

12.3. Bioaccumulative potential

not available

12.4. Mobility in soil

not available

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations.

Legislation of waste

Council Directive 75/442/EEC on waste, as amended. Decree No. 383/2001 Coll., on details regarding waste handling as amended. Decree No. 93/2016 Coll., (waste catalogue) as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

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Code of type of waste packaging
20 01 02 glass
20 01 01 paper and cardboard

SECTION 14: Transport information

- 14.1. UN number**
Not subject to ADR.
- 14.2. UN proper shipping name**
not available
- 14.3. Transport hazard class(es)**
not available
- 14.4. Packing group**
not available
- 14.5. Environmental hazards**
not available
- 14.6. Special precautions for user**
Reference in the Sections 4 to 8.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**
not available

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act).
- 15.2. Chemical safety assessment**
not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H302 Harmful if swallowed.
H361 Suspected of damaging fertility or the unborn child.

Guidelines for safe handling used in the safety data sheet

P201 Obtain special instructions before use.
P264 Wash hands and exposed parts of the body thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of contents/container to be handed over to the person authorized to dispose of waste or by returning to the supplier.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road
BCF Bioconcentration Factor
CAS Chemical Abstracts Service
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL Derived no-effect level
EC Identification code for each substance listed in EINECS
EC₅₀ Concentration of a substance when it is affected 50% of the population
EINECS European Inventory of Existing Commercial Chemical Substances

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EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC ₅₀	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Repr.	Reproductive toxicity

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 3.0 replaces the SDS version from 01.04.2016. Changes were made in sections 2, 3, 11, 12 and 16.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.