

# Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

## CANNABIDIOLUM

EN

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name: Cannabidiol  
Cannabidiolum  
Cannabidiol  
Cannabidiol  
Cannabidiol

N° CAS: 13956-29-1

N° EC: 689-176-3

#### 1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Active Pharmaceutical Ingredient or Excipient.

#### 1.3 Details of the supplier of the safety data sheet

Company: Magis-Pharma NV  
Neerlandweg 24  
2610 Wilrijk  
Belgium

Telephone: (+32) (0)3 457 11 76

Email: info@magis-pharma.be

Web page: www.magis-pharma.be

#### 1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance/mixture

##### Classification according to (EC) n° 1272/2008

Acute Tox. 4	H302
Repr. 2	H361

#### 2.2 Label elements

##### Labelling according to (EC) n° 1272/2008

Hazard pictogram(s):



Signal word(s): Attention

Hazard statements:

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

Precautionary statements:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

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P264	Wash thoroughly after handling.
P270	
P281	Do not eat, drink or smoke when using this product.
P301+312	Use personal protective equipment as required.
P308+P313	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330	If exposed: Call a POISON CENTER or doctor/physician.
P405	Rinse mouth.
P501	Store locked up.
	Dispose of contents/container in accordance with local/regional/national/international regulation.
Additional applicable label elements:	Not applicable.

### 2.3 Other hazards

Not available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Product name:	Cannabidiol
IUPAC name:	2-[(1R,6R)-3-methyl-6-prop-1-en-2-ylcyclohex-2-en-1-yl]-5-pentylbenzene-1,3-diol
Synonyms:	CBD Epidiolex
N° CAS:	13956-29-1
N° EC:	689-176-3
Molecular Formula:	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>
Content:	100 %

### 3.2 Mixtures

Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General notes:	If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
After inhalation:	Get medical attention immediately! If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if needed.
After skin contact:	Take off contaminated clothing and shoes immediately. Get medical attention immediately! Rinse skin with water/shower. Wash contaminated clothing before reuse.
After eye contact:	Do not rub eyes. Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention.

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After ingestion:

Call a physician or poison control center immediately. Rinse mouth with water. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Do not induce vomiting without advice from poison control center. Never give liquid to an unconscious person.

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

Dust may irritate the respiratory tract, skin and eyes. Exposure may cause temporary irritation, redness, or discomfort.

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

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:

Use any media suitable for the surrounding fires. Avoid high pressure media which could cause the formation of a potentially exposable dust-air mixture. Apply extinguishing media carefully to avoid creating airborne dust.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2 Special hazards arising from the substance/mixture

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, hazardous combustion products are released that may include: Carbon oxides (CO<sub>x</sub>).

### 5.3 Advice for firefighters

Surrounding fires:

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

Protection against fire:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Hazardous combustion products:

May form combustible dust concentrations in air.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Keep people away from and upwind of spill/leak. Keep away from open flames, hot surfaces and sources of ignition. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing dust. Avoid dust formation. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

#### For emergency responders

Evacuate personnel to safe area. Keep people away from and upwind of spill/leak. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing dust. Avoid dust formation. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

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### 6.2 Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so.

### 6.3 Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dike the spilled material, where this is possible. Stop the flow of material, if this is without risk. Prevent product from entering drains.

Large spills: Sweep up (intact) or vacuum with HEPA filter (broken or crushed) or via wet cleaning into suitable containers for disposal. Pick up and arrange without creating dust. Keep in properly labelled containers.

Small spills: Moisten a towel, cover the spill, pick up the spill or use HEPA vacuum.

Large spills + Small spills: Keep in suitable, closed containers for disposal. Treat recovered material as described. Following product recovery, flush area with water.

Never return spills to original containers for re-use.

### 6.4 Reference to other sections

For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Avoid breathing dust/fume. Avoid contact with eye, skin and clothing. Avoid ingestion. Avoid prolonged exposure. To avoid thermal decomposition, do not overheat. When using, do not eat, drink or smoke. Avoid release to the environment. Observe good industrial hygiene practices.

Personal protection:

Wear appropriate personal protective equipment. Wash thoroughly after handling.

Technical protective measures:

Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Explosion-proof general and local exhaust ventilation.

Handling:

Should be handled in closed systems, if possible. Do not handle or open near an open flame, sources of heat or sources of ignition. Pregnant or breastfeeding women must not handle this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Store locked up. Store in a well-closed closed container. Store in cool, dry, well ventilated area.

Conditions for safe storage, including any incompatibilities:

Ground/bond container and receiving equipment.

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Storage – away from:

Store protected from light and heat. Store away from incompatible materials (see Section 10).

### 7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Occupational exposure limits:

US. OSHA Table Z-3 (29 CFR 1910.1000):

TWA (dust): 5mg/m<sup>3</sup> (form: respirable fraction)

15 mg/m<sup>3</sup> (form: total dust)

50 mppcf (form: total dust)

15 mppcf (form: respirable fraction)

US. ACGIH Threshold Limit Values:

TWA (dust): 3mg/m<sup>3</sup> (respirable particles)

10 mg/m<sup>3</sup> (inhalable particles)

Occupational exposure band (OEB): 2

Occupational exposure limit for product: 66 µg/m<sup>3</sup>

### 8.2 Exposure controls

#### Appropriate engineering control

Explosion-proof general and local exhaust ventilation. No open handling is permitted. Powder should be put into solution or a tightly capped container before being removed from powder weighing hood/glove box. Any reconstitution of powder should be performed inside a containment system. Once in solution, select engineering controls consistent with the hazards of the solution. Ensure adequate ventilation and personal protection. All personal protective equipment should be based on a risk assessment. Consult an Environment Health Safety expert if necessary. Engineering controls should be used as the primary means to control possible exposures. Use process enclosures, local exhaust ventilation or other engineering controls to keep exposure levels below recommended exposure limits.

#### Individual protection measures

Eye/face protection: Safety glasses with side-shields.

Skin protection: Wear suitable protective clothing. Use of an impervious apron is recommended.

Hand protection: Wear appropriate chemical resistant gloves.

Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Engineering controls should always be the primary method of controlling exposures. If respiratory protective equipment is needed for certain activities, the type as well as the corresponding protection factor will depend upon the risk assessment and air concentrations, hazards, physical and warning properties of substances present. ABEK P3.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

#### Environmental exposure control

Not available.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance:	Light yellow, solid
Odour:	Odourless
Odour threshold:	Not available.
pH:	Concentration: 10 g/l (20 °C) neutral
Melting/freezing point:	152.6 °F (67 °C)
Initial boiling point:	371.3 °F (188.5 °C)
Boiling range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid/gas):	Combustible dust.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	< 0.0000001 kPa (77 °F (25 °C))
Vapour density:	Not available.
Relative density:	Not available.
Solubility:	Solvent: Ethanol
Solubility in water:	Insoluble in water (20 °C)
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	160 °C
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not oxidising.

#### 9.2 Other information

Not available.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

#### 10.2 Chemical stability

Material is stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

#### 10.4 Conditions to avoid

Contact with incompatible materials. Avoid direct light. Avoid generation of dust. Heat, sparks, flames, elevated temperatures. To avoid thermal decomposition, do not overheat.

#### 10.5 Incompatible materials

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Strong oxidising agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:	Oral LD50: > 300 mg/kg
Skin corrosion/irritation:	May be irritating to the skin.
Serious eye damage/irritation:	May cause eye irritation.
Respiratory/skin sensitisation:	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
Germ cell mutagenicity:	Cannabis was positive in the mouse micronucleus assay and human lymphocyte sister chromatid assay.
Carcinogenicity:	Not classifiable as to carcinogenicity to humans.
Reproductive toxicity:	Suspected of damaging fertility or the unborn child.
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	Not available.
STOT-repeated exposure:	Not available.
Aspiration Hazard:	Not an aspiration hazard.
Other:	Not available.

### 11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	May cause eye irritation.
Skin contact:	May cause skin irritation.
Inhalation:	No adverse effects due to inhalation are expected.
Ingestion:	Harmful if swallowed.
Aspiration:	Not available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

May cause long lasting harmful effects to aquatic life.

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

The product is insoluble in water.

### 12.5 Results of PBT and vPvB assessment

Not available.

### 12.6 Other adverse effects

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Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14: TRANSPORT INFORMATION

#### Transport information according to ADR/RID/IMDG/ICAO/IATA

##### 14.1 UN Number

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

##### 14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

##### 14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

##### 14.4 Packing group

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

##### 14.5 Environmental hazards

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : Not classified.

##### 14.6 Special precautions for user

Not available.

##### 14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not applicable.

##### 14.8 Additional transport information

Not regulated as dangerous goods.

### SECTION 15: REGULATORY INFORMATION

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

Hazard symbol:



Risk phrases:

R22 Harmful if swallowed.

R62 Possible risk of impaired fertility.

R63 Possible risk of harm to the unborn child.



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Safety phrases:

S1 Keep locked up.

S20/21 When using do not eat, drink or smoke.

S36/37/38 Wear suitable protective clothing, gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

S53 Avoid exposure – obtain special instructions before use.

### 15.2 Chemical safety assessment

Not available.

## SECTION 16: OTHER INFORMATION

### 16.1 Changes since the previous version

Not applicable.

### 16.2 Abbreviations and acronyms used

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
UN (number):	United Nations (number)
vPvB:	very Persistent and very Bioaccumulative

### 16.3 Key literature references/sources for data

European Chemicals Agency.  
<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

### 16.4 Method of classification in case of mixture

Not applicable.

### 16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

### 16.6 Training advisement

Not available

### 16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization 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

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(EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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### 16.8 Department issuing MSDS

Quality Department

FAC SECUNDUM ARTEM NV

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