

Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006 as amended by (EC) No.1272/2008



Q-FP-MSD-005-18

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

1.1. Product Identifier

Product code:
Product name: CBD Isolate ≈ 99.4%*
Synonyms: CBD Isolate
CAS No.: 13956-29-1

1.2. Relevant identified uses of the substance/mixture

Relevant identified uses: Occurs in Cannabis sativa L., Isolated from the psychologically inactive compound in certified industrial hemp.

1.3. Details of the Supplier of the Safety Data Sheet

Company name: AE Grünkraft GmbH
Address: Rossimattstrasse 10, 3074 Muri bei Bern - Switzerland
Web site address: www.gruenkraft.swiss

1.4. Emergency Telephone Number (only valid in Switzerland):

+41 31 552 09 09
Emergency 144 (ambulance throughout Switzerland)
Poisoning 145 (Toxicology)

1.5. For outside Switzerland

Please contact your local emergency number

2. Hazard Identification

2.1. Classification of the substance/mixture

NON-HAZARDOUS substance, NON-DANGEROUS goods.
According to NOHSC Criteria and ADG Code and (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2. R-Phrases:

Not Applicable

3. Composition/Information on Ingredients

Ingredient	CAS No.	Concentration (%)	EC No.	GHS Classification
Cannabidiol	13956-29-1	≈99.4%*	689-176-3 NA	Acute Tox.(O) 4: H302 Toxic Repro. 2: H361 Acute Tox.(I) 4: H332

* Laboratory CBD result may slightly differ from the actual content of CBD in the product.

4. First Aid Measures

4.1. Description of First Aid Measures

In case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

5. Fire Fighting Measures

5.1. Suitable Extinguishing Media:

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.
Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

5.2. Flammable Properties and Hazards:

Flash Pt: No data available
Explosive Limits: No data.
LEL: No data. UEL: No data.
Autoignition Pt: No data.

5.3. Fire Fighting Instructions:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2. Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

7. Handling and storage	
7.1 Precautions for safe handling:	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
7.2 Conditions for safe storage, including any incompatibilities:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
7.3 Recommended storage temperature:	15-25 °C
7.4 Specific end uses:	No data available
8. Exposure controls / personal protection	
8.1 Personal protection equipment	
Eye/face protection:	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Protective Gloves:	Compatible chemical-resistant gloves
Other Protective Clothing:	Lab coat
Respiratory Equipment (Specify Type):	NIOSH approved respirator, as conditions warrant.
8.2 Work/Hygienic/Maintenance Practices:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash thoroughly after handling. No data available.
9. Physical and Chemical Properties	
9.1 Information on Basic Physical and Chemical Properties	
Physical States:	<input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid
Appearance and Odor:	A crystalline solid
pH:	No data
Melting Point:	No data
Boiling Point:	No data
Flash Pt:	No data
Evaporation Rate:	No data
Flammability (solid, gas):	No data
Explosive Limits:	LEL: No data UEL: No data
Vapor Pressure (vs. Air or mm Hg):	No data
Vapor Density (vs. Air = 1):	No data
Specific Gravity (Water = 1):	No data
Solubility in Water:	No data
Octanol/Water Partition Coefficient:	No data
Autoignition Pt:	No data
Decomposition Temperature:	No data
Viscosity:	No data
9.2 Other Information	
Percent Volatile:	No data
Molecular Formula & Weight:	C21H30O2 314.5
10. Stability and Reactivity	
10.1 Reactivity	No data available.
10.2 Stability and Reactivity	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
10.3 Stability Note(s):	Stable if stored in accordance with information listed on the product insert.
Polymerization:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
10.4 Conditions To Avoid:	No data available.
10.5 Incompatibility - Materials to avoid	strong acids strong bases strong oxidizing agents strong reducing agents
10.6 Hazardous Decomposition or Byproducts	carbon dioxide carbon monoxide
11. Toxicological Information	
11.1 Information on Toxicological Effects	
Acute toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Reproductive toxicity:	
Specific target organ toxicity - single exposure:	
Specific target organ toxicity - repeated exposure:	
Aspiration hazard:	
Lead:	< 5 ppm
Cadmium:	< 1 ppm
Mercury:	< 0.1 ppm
MEK content	< 1 mg/ Kg
Apolar Pesticides:	nd
Polar Pesticides:	nd
Escherichia coli:	< 10 cfu/g
Salmonella:	nd in 25 g
Listeria Monocytogenes:	nd in 25 g

11.2 Potential health effects:

Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin:	May be harmful if absorbed through skin. Causes skin irritation.
Eyes:	Causes eye irritation.

11.3 Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

11.4 Chronic Toxicological Effects:

Cannabidiol - Investigated as a drug, mutagen, natural product, and reproductive effector. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information
Cannabidiol RTECS Number: VH1600000

12. Ecological Information

12.1. Toxicity:	Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
12.2 Persistence and Degradability:	No data available
12.3 Bioaccumulative Potential:	No data available
12.4 Mobility in Soil:	No data available
12.5 Results of PBT and vPvB assessment:	No data available
12.6 Other adverse effects:	No data available

13. Disposal Considerations

13.1. Waste Disposal Method:	Dispose in accordance with local, state, and federal regulations.
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14. Transport Information

14.1 LAND TRANSPORT (US DOT): DOT Proper Shipping Name: Not dangerous goods. DOT Hazard Class: UN/NA Number:	
14.2 LAND TRANSPORT (European ADR/RID): ADR/RID Shipping Name: Not dangerous goods. UN Number: Hazard Class:	
14.3 AIR TRANSPORT (ICAO/IATA): ICAO/IATA Shipping Name: Not dangerous goods.	
14.4 Additional Transport Information:	Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS # 13956-29-1
Hazardous Components (Chemical Name): Cannabidiol
S. 302 (EHS): No
S. 304 RQ: No
S. 313 (TRI): No

CAS # 13956-29-1
Hazardous Components (Chemical Name): Cannabidiol
Other US EPA or State Lists: CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

Regulatory Information Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008

16. Other Information

16.1 Revision Date:	11/6/2018
16.2 Additional Information About this Product:	No data available.
16.3 Company Policy or Disclaimer:	DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes

