

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with REACH Regulation (EC) No 1907/2006,,29 CFR 1910.1200 and CLP Regulation (EC) No 1272/2008.

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code:

Product Name: Cannabidiol

Synonyms: CBD

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

Relevant identified uses: For active ingredient in formulation of CBD based products

1.3 Details of the Supplier of the Safety Data Sheet:

Name: Abundant Labs, LLC

Address: PO Box 18830, Asheville, NC 28814

Phone: (828) 492-1115

Website address: www.abundantlabs.com

1.4 Emergency telephone number:

CHEMTREC Within USA and Canada:

Emergency Contact: +1 (800)424-9300 CHEMTREC

Outside USA and Canada: +1 (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

Acute Toxicity: Inhalation, Category 4

Acute Toxicity: Oral, Category 4

Toxic To Reproduction, Category 2

2.2 Label Elements:



Warning GHS Signal Word:

GHS Hazard Phrases:

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H361: Suspected of damaging fertility or the unborn child.

GHS Precaution Phrases:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

GHS Response Phrases:

P301+312: IF SWALLOWED: P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+313: IF exposed or concerned: Get medical attention/advice.

P330: Rinse mouth.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information

2.3 Adverse Human Health: Harmful if inhaled or swallowed.

Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by skin absorption.
May cause eye, skin, or respiratory system irritation.
Suspected of damaging fertility or the unborn child.
To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

3.1 CAS # 13956-29-1

3.2 **Hazardous Components (Chemical Name)/ REACH
Registration No.** Cannabidiol

3.3 **Concentration:**

3.4 **EC No./ EC Index No** 689-176-3 NA

3.5 **GHS Classification:** H302 Acute Tox.(O) 4
H361 Toxic Repro. 2
H332 Acute Tox.(I) 4

Section 4. First Aid Measures

4.1 **Description of First Aid Measures:**

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 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 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.

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

Section 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:** No data available.

Flash Pt: No data.

Autoignition Pt: No data.

Explosive Limits: LEL: No data. UEL: 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.

Section 6. Accidental Release Measures

6.1 Protective Precautions, Protective Equipment and Emergency Procedures: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental Precautions: Take steps to avoid release into the environment, if safe to do so

6.3 Methods and Material For Containment and Cleaning Up: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure.

7.2 Precautions To Be Taken in Storing: Keep tightly closed. Store in accordance with information listed on the product insert.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment (Specify Type): NIOSH approved respirator, as conditions warrant

Work/Hygienic/Maintenance Practices: Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Wash thoroughly after handling.

Section 9. Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties**

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: A crystalline solid

pH: No data.

Melting Point: 126° F (52° C)

Boiling Point: 320 to 356° F (160 to 180° C)

Flash Pt: No data.

Evaporation Rate: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): No data.

Solubility in Water: No data.

Octanol/Water Partition Coefficient: No data.

Decomposition Temperature: No data.

Autoignition Pt: No data.

Viscosity: No data.

9.2 Other Information

Percent Volatile: No data.

Molecular Formula & Weight: C₂₁H₃₀O₂; 314.5g/mol

Section 10. Stability and Reactivity

10.1 **Reactivity:** No data available.

10.2 **Stability:** Unstable [] Stable [X]

10.3 **Stability Note(s):** Stable if stored in accordance with information listed on the product insert.

Polymerization: Will occur [] Will not occur [X]

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

Section 11. Toxicological Information

11.1 **Information on Toxicological Effects:** The toxicological effects of this product have not been thoroughly studied.

Cannabidiol - Toxicity Data: Intraperitoneal TDLO (rat): 5 mg/kg; Oral TDLO (rat): 5 mg/kg; Oral TDLO (human): 5.63 mg/kg; Intraperitoneal TDLO (mouse): 5 mg/kg;

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

CAS # 13956-29-1 **Hazardous Components (Chemical Name)** Cannabidiol

NTP n.a. **IARC** n.a. **ACGIH** n.a. **OSHA** n.a.

Section 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.

Section 13. Disposal Considerations

- 13.1 **Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 **LAND TRANSPORT (US DOT):**

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class: n.a.

UN/NA Number: n.a.

14.2 **LAND TRANSPORT (European ADR/RID):**

ADR/RID Shipping Name: Not dangerous goods.

UN Number: n.a.

Hazard Class: n.a.

14.3 **AIR TRANSPORT (ICAO/IATA):**

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

Section 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

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

Section 16. Other Information

Revision Date: 03/02/2020

Additional Information About This Product: No data available.

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.