

Hemp Oil Safety Data Sheet

1. Product Name and Company identification

- 1.1 Product Name: Hemp Oil (eg CBD Oil, CBD Distillate, CBD Isolate or other refined industrial hemp oils)
- 1.2 Product Use: Cosmetic Ingredient, Nutraceutical Ingredient
- 1.3 Company Name: Rhizo Sciences, LLC.
- 1.4 Company Address: 3400 CAPITOL BLVD SE, STE 101, TUMWATER, WA, 98501, USA
- 1.5 FDA Certified Warehouse: 4051 Freeport Parkway Suite 300 Grapevine TX 76051 US
- 1.6 FDA Registration Number: 18914912822
- 1.7 Company Phone: 1-206-452-3348
- 1.8 Website: www.rhizosciences.com

2. Hazard Identification

- 2.1 Classification of the Mixture:
The Mixture does not meet the classification criteria of Directive 1999/45/EC or Regulations (EU) 1272/2008 and subsequent amendments and supplements.
- 2.2 The Most important adverse effects:
 - physical and chemical: The mixture is not classified as hazardous
 - on human health: The mixture is not classified as hazardous
 - on environment: The mixture is not classified as hazardous
- 2.3 Label elements according to Regulation 2008/1272: The product does not need to be labeled
- 2.4 Other Hazards: No other hazards have been identified

3. Composition / Information on Ingredients

This product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or Regulations 1272/2008 and subsequent amendments and supplements.

This product does not contain any PBT / vPvB substance (Annex XIII of Regulation 1907/2008). This product does not contain any substance from the candidate list to Annex XIV of Regulation 1907/2008.

4. First Aid Measures

- 4.1 Description of First Aid Measures:
 - If Inhaled: Remove to fresh air
 - In case of skin contact: Take off contaminated clothes. Wash skin with soap and water In case of eye contact: Flush with plenty of pure water. In case of persistent inflammation, take advice from an ophthalmologist.
 - If swallowed: Rinse mouth with water. Do not induce vomiting. Consult a doctor.
- 4.2 **Most important symptoms and effects, both are acute and delayed:** no episodes of damage to health ascribable to the product have been reported.
- 4.3 **Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is required only in the case of ingestion of a large amount of the product. Incidental exposure is unlikely to result in adverse health outcomes.

5. Firefighting Measures

- 5.1 **Extinguishing media:** Carbon dioxide, foam, powder, and water spray
Unsuitable extinguishing media: None in particular
- 5.2 **Special Hazards arising from the substance or Mixture:** Do not breathe combustion products
5.3 **Advice for firefighters:** Use of jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Wear full fire prevention gear. Collect extinguishing water to prevent it from draining to the sewer system.

6. Accidental Release Measures

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- 6.1 **Personal Precautions, Protective equipment, and emergency procedures:** Do not take action without suitable protective clothing- see section 8 of SDS. Ensure adequate ventilation. Avoid breathing vapors, mist, dust, or gas.
- 6.2 **Environmental precautions:** Prevent from spreading or entering into ground, drains, ditches, or rivers.
- 6.3 **Methods and Materials for containment and cleaning up:** Cover spillage with suitable absorbent material. Sweep up material and place in appropriate container. Hold all material for appropriate disposal as described under Section 13.
- 6.4 **Reference to other sections:** For disposal see section 13.

7. Handling and Storage

- 7.1 **Precautions for Safe Handling:** Avoid contact with eyes, skin, and clothing. Use in well ventilated area. Keep away from source of ignition. Use only as directed.
- 7.2 **Conditions for Safe Storage, including any incompatibilities:** Keep out of reach of children. Keep away from direct sunlight, at temperatures 5-30 degrees C in dry rooms. Keep container tightly sealed until ready for use.
- 7.3 **Specific end use(s):** not relevant

8. Exposure Controls/ Personal Protection

- 8.1 **Exposure limit values** according to directives 2000/39/EC, 2006/15/EC and 2009/161/EU: no substances with occupational exposure limit values
Biological limit values: not prescribed for the mixture
- 8.2 **Exposure Controls:**
- 8.2.1 **Appropriate engineering controls:** Ensure all measures described under section 7 of SDS are in place.
- 8.2.2 **Personal Protective Equipment**
- Eye/face protection:** Use appropriate safety glasses.
- Skin protection:** Use appropriate chemical resistant gloves. Wash and dry hands thoroughly after handling.
- Body Protection:** Wear appropriate protective clothing when handling chemicals.
- Respiratory Protection:** If risk assessment indicates necessary, use a suitable respirator.
- Thermal Hazards:** None when used as directed.
- Environmental Exposure Controls:** Prevent release to the environment.

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance: White Crystalline Powder or Amber liquid which crystallises to solid at room temperature
Odor: floral or resinous
Odor Threshold: Not Relevant for this mixture pH: ~6.8
Melting point/freezing point: 50 degrees
Initial boiling point and boiling range: 214-215°C (cannabidiol)
Flash Point: >100°C
Evaporation rate: Not Available
Flammability: Not Relevant for this mixture Explosive limits: Not Available
Vapor pressure at 20°C: 0.167
Vapor density (air = 1): Not Available
Density at 20°C: Not Available
Solubility: In water: non-soluble, In oil(s): soluble Partition coefficient: Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: Not Available
Viscosity: Not Available
Explosive properties: Not Available

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Oxidizing properties: Not Available

10. Stability and Reactivity

- 10.1 **Reactivity:** There are no particular risks of reaction with other substances under normal conditions of use.
- 10.2 **Chemical Stability:** The product is stable under normal conditions of use and storage. 10.3 **Possibility of Hazardous Reactions:** See 10.1
- 10.4 **Conditions to Avoid:** None in particular. However, the usual precautions used for chemical products should be respected.
- 10.5 **Incompatible Materials:** Strong oxidizing materials and acids
- 10.6 **Hazardous Decomposition Products:** During thermal decomposition carbon and nitrogen oxides can be produced

11. Toxicological Information

- 11.1 **Information on toxicological effects:** Not determined for this mixture Toxicological effects of main substance: 2-[(1R, 6R)-3-methyl-6-prop-1-ene-2-ylcyclohex-2-en-1-yl]-5-pentylbenzene-1,3-diol (Information from MSDS Cannabidiol)
- a) Acute Toxicity:
- LD₅₀ oral, mouse (mg/kg): 750
 - LD₅₀ dermal, rat (mg/kg): No data available
 - LD₅₀ inhalation, rat (mg/kg): No data available
- b) Skin irritation/corrosion: No data available c) Serious eye damage/irritation: No data available d) Respiratory/skin sensitization: No data available e) Repeated dose toxicity: No data available f) Carcinogenicity: No data available g) Mutagenicity: No data available h) Toxicity for reproduction: No data available

11.1.7 **Information on likely routes of exposure:** skin, eyes, ingestion

11.1.8 **Symptoms related to the physical, chemical and toxicological characteristics:** - skin (long term exposition): There may be mild irritation at the site of contact. - eyes: There may be irritation and redness

- ingestions (large amount): nausea, vomiting, irritation of the throat

11.1.9 **Delayed and immediate effects as well as chronic effects from short and long-term exposure:** Not observed

11.1.10 **Interactive effects:** Not observed

11.1.11 **Absence of specific data:** Not available

11.1.12 **Mixture versus substance information:** For the mixture there are not expected to be worse effects on health than for individual substances.

11.1.13 **Other Information:** None

12. Ecological Information

- 12.1 **Toxicity:** Acute toxicity for aquatic organisms; no data available for the mixture For the main substances (Information from the MSDS):
- LC₅₀ 96h, fish (mg/L): >9720 (Propane-1,3-diol)
- EC₅₀ 48h, daphnia (mg/L): >7417 (Propane-1,3diol)
- EC₅₀ 72h, algae (mg/L): no data available

12.2 Persistence and degradability:

Persistence: no data available

The potential of substances to degrade in sewage treatment plants: Not determined

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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:** based on actual information, ingredients of the Mixture are not PBT/vPvB

12.6 **Other adverse effects:** Not observed

13. Disposal Considerations

13.1 Waste treatment methods:

Suitable methods for disposal of the **mixture:** (code 200113-Solvents) incineration in an Incinerator or disposing in a collection point for hazardous wastes. Suitable methods for disposal of the **packaging:** (code 200102-glass, code 200101 – paper And cardboard) empty packaging dispose in a collection point for sorted wastes or Municipal waste.

Physical/chemical properties that may affect waste treatment options: not known

Sewage disposal: not allowed

Special precautions for recommended waste treatment options (only for disposal of a Amount of the mixture): no special precautions

Directive nr. 98/2008/EC with all amendments

14. Transport Information

14.1 **Special precautions:** none

14.2 **Transport Classification:** Product does not meet the criteria for classification as hazardous For transport.

15. Regulatory Information

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
Commission Regulation nr. 1272/2008 with all amendments.

Commission Regulation nr. 1907/2006 (REACH) with all amendments. Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006: None
Substances in Candidate List (Art. 59 REACH): None.

Substances subject to authorization (Annex XIV REACH): None.

15.2 **Chemical safety assessment:** A chemical safety assessment has not been made for this Product.

16. Other information

16.3 The information contained in the present sheet are based on our own knowledge on the Date of the last version. Users must verify the suitability and thoroughness of provided Information according to each specific use of the product. This document must not be Regarded as a guarantee on any specific product property. The use of this product is not Subject to our direct control; therefore, users must, under their own responsibility, Comply with the current health and safety laws and regulations. The producer is relieved From any liability arising from improper uses.

16.4 Provide appointed staff with adequate training on how to use chemical products.

Instructions for training:

Staff shall be instructed about the handling hazards and requirements for the health and Environmental precaution (see the appropriate provisions of the labor code). Each employer shall in accordance with Article 35 of the regulation 1907/2006 provide In access to the information from the safety data sheet to all personnel who use this Product or are exposed to its effects at work, as well as to their representatives.

16.5 **Changes to the previous version of the SDS:** none