

BlackFin HEMP™	Safety Data Sheet	
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	Effective Date	01/14/2022
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5NP-PC 5%

1. Identification

Product Name: Hemp Extract 5%

CAS #: Not Yet Assigned. See **Composition/Information on Ingredients**

EINELS #: Not Yet Assigned. See **Composition/Information on Ingredients**

Recommended Use: Nutritional Ingredient for Further Processing

2. Hazards Identification

GHS Classification. Globally Harmonized System of Classification and Labeling of Chemicals, or GHS, was developed by the United Nations to bring into agreement the chemical regulations and standards of different countries:

No GHS Classifications yet to have been established for this product

Symbol(s) of Product:

No GHS Symbols exist for this product

Signal Word:

Signal Word not yet assigned

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3. Composition/Information on Ingredients

<u>Chemical</u>	<u>CAS-No.</u>	<u>EINELS</u>	<u>Wt%</u>	<u>GHS Symbols</u>
Vegetable Oil	1791-12-6	500-151-7		Skin Irritation 1 Eye Irritation 2
Polyoxyethylene (80) sorvitan monooleate	9000-65-6	500-151-7		Not a hazardous substance or mixture
Medium Chain Triglyceride	73398-61-5	277-452-2	Substance exact weight percentages belong to trade secrets	Not a Hazardous substance or mixture
Ethanol	64-17-5			Skin Irritation 1 Eye Irritation 2
Purified Hemp Extract	13956-29-1	200-659-6		Not dangerous
Vitamin E	58-95-7	200-201-5		Not a hazardous substance or mixture

4. First-aid Measures



FIRST AID - INHALATION: Remove person to fresh air. Place in recovery position and seek medical advice. Give oxygen or artificial respiration if needed.

FIRST AID - SKIN CONTACT: Prolonged contact may cause irritation. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. If rash or irritation develops, consult a physician.

FIRST AID - EYE CONTACT: Contact with eyes will cause irritation. Flush contaminated eyes for 15 minutes in clear running water while holding eyelids open. Protect unimpacted eye and remove contact lenses. Consult a physician.

FIRST AID - INGESTION: Keep respiratory tract clear. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Carbon dioxide, foam or dry chemical.

UNUSUAL FIRE & EXPLOSION HAZARDS: Risk of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding the accumulation of dust, e.g. on floors and ledges.

SPECIAL FIREFIGHTING PROCEDURES: Use a self-contained breathing apparatus with full facepiece operated in pressure- demand or other positive pressure mode.

6. Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS: Contain any spills immediately and dike area to prevent spreading. Package material and dispose of as hazardous waste.

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Liquid: Use absorbents and place soiled absorbents in a container with a tightly sealed lid. Only trained personnel wearing protective equipment should handle spill cleanup. Avoid personal contact.

7. Handling and Storage



HANDLING: Reduce the potential for static discharge, bond and ground containers when transferring material. Practice good caution and personal cleanliness by avoiding skin and eye contact. Do not eat, drink, or smoke while handling this product. Wash hands using soap after handling and before eating.

STORAGE: Keep container tightly closed when not in use. Avoid oxidation by minimizing exposure to air. Store in a cool, dry environment in a well-ventilated area.

8. Exposure Controls/Personal Protection

Ingredients Review

Vegetable Oil

1. PEG 35 castor oil appears in many oral, topical and parenteral pharmaceutical formulations and is recognized by the Code of Federal Regulations as GRAS compositions that do not require regulatory agency approval before they are included in ingested material (21CFR 176.210).
2. Castor oil is obtained by the cold pressing of seeds of the *Ricinus communis* plant followed by clarification of the oil by heat.
3. Acute and chronic toxicity tests in animals have shown PEG 35 castor oil derivatives to be essentially nontoxic and nonirritant materials.

Polyoxyethylene (80) sorbitan monooleate

1. Polyethylene (80) sorbitan monooleate is listed by the FDA as a direct food substance that is generally recognized as safe (GRAS), for which it may be used in an amount not to exceed 1 percent of the weight of an edible shortening or oil (21 CFR 172.840).

Medium Chain triglycerides

1. Medium chain triglycerides are a type of dietary fat thought to offer a range of health benefits that describe one form of neutral lipid, triglycerides, containing fatty acid molecules with a chain length varying from 6 to 12 carbon atoms.
2. Medium chain triglycerides are recognized by the Code of Federal Regulations as GRAS compositions that do not require regulatory agency approval before they are included in ingested material (21CFR 170.36; GRAS Notice 000449: Medium Chain Triglycerides).

Literature basis

- Greenberger, N.J., and Skillman, T.G. Medium chain triglycerides. *N. Eng. J. Med.*, 280:1045-1058, 1969.

Ethanol

1. Biological Hazard: Ethanol is rapidly oxidized in the body to acetaldehyde, then to acetate, and finally to carbon dioxide and water; un-oxidized alcohol is excreted in the urine and expired in the air.
2. Reproductive hazard: Some evidence of fetotoxicity and teratogenicity has been observed in experimental animals treated with high doses of ethanol during gestation. Alcohol may induce spontaneous abortions, may impair fertility, may cause harm to the unborn child and may cause harm to breast fed babies.
3. Carcinogenicity: Long-term consumption of alcoholic beverages demonstrates an increase in the occurrence of breast cancer

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and colorectal cancer. However, the lesser amounts of ethanol consumed with this product make this matter of lesser concern.

Purified Hemp Extract,
Cannabidiol, or CBD

1. Multiple research works indicate that cannabidiol (CBD) is non-toxic in non-transformed cells.
2. CBD does not induce changes on food intake, does not induce catalepsy, does not affect physiological parameters (heart rate, blood pressure and body temperature), does not affect gastrointestinal transit and does not alter psychomotor or psychological functions.
3. Chronic use and high doses up to 1,500 mg/day of CBD are reportedly well tolerated in humans.

Literature Basis

- Bergamaschi, M.M., Queiroz, R.H.C., Zuardi, A.W., and Crippa, J.A.S. Safety and side effects of cannabidiol, a Cannabis sativa constituent. *Curr. Drug Safety*, 6(4):237-249, 2011.
- Grotenhermen, F., and Iffland, K. An update on safety and side effects of cannabidiol: A review of clinical data and relevant animal studies. *Cannabis Cannabinoid Res.*, 2(1):139-154, 2017

Vitamin E, as DL- α -Tocopherol Acetate

1. Used in this product as an antioxidant, vitamin E is a safe and necessary food item for which intake recommendations are provided in the Dietary Reference Intakes (DRIs) developed by the Food and Nutrition Board (FNB) at the Institute of Medicine of The National Academies (formerly National Academy of Sciences). DRI is the general term for a set of reference values used to plan and assess nutrient intakes of healthy people.
2. Maximum daily intake unlikely to cause any adverse health effects. It is used herein at levels exponentially less than in dietary supplements. The National Institutes of Health states that adults can safely take a daily dosage of vitamin E up to 1,000 mg from dietary supplements.

Chemical & Physical Properties

PERSONAL PROTECTION



RESPIRATORY PROTECTION: Atmospheric levels should be maintained below exposure limits using ventilation. Use NIOSH approved respirator where ventilation is insufficient.



SKIN PROTECTION: Chemical-resistant gloves and safety glasses and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.



EYE PROTECTION: Use goggles or safety glasses.



OTHER PROTECTIVE EQUIPMENT: Use good hygiene practices. Wash face and hands before eating, drinking, and smoking. Eye wash and safety showers should be readily available.



HYGIENIC PRACTICES: Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited. Wash hands and face before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance: Straw or Light-Yellow, clear Liquid

Odor: herbal odor

Density, g/cm³: 1.1

Freezing Point °C: -29°C

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Solubility in Water: Readily/fully Miscible

Decomposition Temperature, °C: No Data Available

pH: 7.4 at 25°C

Viscosity @ 20°C (cp):198

Partition Coefficient, n-octanol/water: No Data Available

Boiling Point, 164°C

Explosive Limity, %: No Data Available

Combustibility: No Data Available

Evaporation Rate: No Data Available

Vapor Density: No Data Available

Flashpoint, °C No Data Available

Auto-Ignition Temperature, °C Vapor Pressure, mmHg: No Data Available

10. Stability and Reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Exposures to light and air.

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products are known.

11. Toxicological Information



Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Direct skin contact may cause irritation.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Mist and vapors may cause eye irritation. Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: May cause irritation with overexposure (ingestion)

CARCINOGENICITY: No Information

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
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N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION:

This product has no known eco-toxicological effects.

13. Disposal Information

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Product

DISPOSAL METHOD: Dispose of material in accordance with applicable federal, state and local regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Solids: Vacuum or sweep up material and place in a disposal container. Take care to prevent airborne dust and scattering. Only trained personnel wearing protective equipment should handle spill cleanup. Avoid personal contact.

Liquid clean up: use absorbent material and place contaminated waste in a sealed container

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT Proper Shipping: No Information
DOT Technical Name: No Information
DOT Hazard Class: No Information
DOT UN/NA Number: No Information

Packing Group: No Information
Hazard No Information
Resp. Guide No Information

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

None Known.

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product

U.S. State Regulations:

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: To the best of our knowledge no ingredients contained in this product are known to the state of California to cause cancer. No California Proposition 65 Carcinogens exist in this product.

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CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: To the best of our knowledge, no product ingredients are known to the state of California to cause birth defects, or other reproductive hazards: No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class No Information

16. Other Information

Revision Date: 14 Jan 2022

Supersedes Date: New SDS

Datasheet produced by: Quality Department

NFPA Ratings: Non-Flammable

Icons for GHS Pictograms shown in Section 3 describing each ingredient: No GHS Pictograms exist for Section 3.