



SAFETY DATA SHEET

CHIA OIL

Version nr.: **1.2**
Supersedes: **1.1**
SDS Template: **1.2**

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Author: **QC**

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 user 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 formatting described in the REACH Regulation (EC) No 1907/2006 and described in CLP Regulation (EC) No 1272/2008.

The SDS includes information such as the properties of each material; the physical, health, and environmental hazards; protective measures; and safety precautions for handling, storing, and transporting the material.

SECTION 1: IDENTIFICATION OF THE PRODUCT AND THE COMPANY

- *Product identifier used on the label*
- *Other means of identification*
- *Recommended use of the chemical and restrictions on use*
- *Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party*
- *Emergency phone number*

1.1 PRODUCT IDENTIFIERS

Product name: Chia Oil
Synonym(s): Virgin Chia Oil, Cold-pressed Chia Oil
CAS Nr.: 93384-40-8
EC Nr.: 297-250-8

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Uses: Manufacture of food products, cosmetics and personal care products

1.3 COMPANY DETAILS OF THE PRODUCER OF THE PRODUCT/SUPPLIER OF THE SDS

Company name: OrganicCrops E.I.R.L.
Company address: Carretera SM 687,
Caserío Chirapa, Sector Majambal S/N,
Rumisapa 22170, Lamas,
San Martín,
Perú

1.4 EMERGENCY TELEPHONE NUMBER

Emergency telephone number: +51 989 247 319

1.5 TECHNICAL INQUIRIES CONTACT

Technical inquiries contact: operations@organiccrops.net

SECTION 2: HAZARD(S) IDENTIFICATION

See <https://www.sigmaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

- Classification of the chemical in accordance with WAC 296-901-14008
- Signal word(s), hazard statement(s); symbol(s) and precautionary statement(s) in accordance with WAC 296-901-14012. (Hazard symbols may be provided as graphical reproductions in black and white or the name of the symbol, e.g., flame, skull and crossbones)
- Describe any hazards not otherwise classified that have been identified during the classification process
- Where an ingredient with unknown acute toxicity is used in a mixture at a concentration $\geq 1\%$ and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of the mixture consists of ingredient(s) of unknown acute toxicity is required

2.1 GHS CLASSIFICATION OF THE MATERIAL

Not a hazardous material. This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2 LABEL ELEMENTS

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements:

- P264 Wash hands thoroughly after handling
- P401 Store away from incompatible materials
- P501 Dispose of contents and container in accordance with local, regional, national, and international regulations

Hazards not otherwise classified: None

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

For Substances

- Chemical name
- Common name and synonyms
- CAS number and other unique identifiers
- Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance

For Mixtures

In addition to the information required for substances:

- The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with WAC 296-901-14008 and
 1. are present above their cut-off/concentration limits; or
 2. present a health risk below the cut-off/concentration limits.
- The concentration (exact percentage) must be specified unless a trade secret claim is made in accordance with WAC 296-901-14018, when there is batch-to-batch variability in the production of a mixture, or for a group of substantially similar mixtures (See WAC 296-901-14022 (A.0.5.1.2)) with similar chemical composition. In these cases, concentration ranges may be used.

3.1 SUBSTANCES

Chemical characterization: INCI-Name: SALVIA HISPANICA SEED OIL

3.2 COMPOSITION/INGREDIENTS

| Identification | Name | Weight % |
|------------------------|----------|----------|
| CAS number: 93384-40-8 | Chia Oil | 100 |

3.3 OTHER INFORMATION

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: FIRST-AID MEASURES

- *Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion*
- *Most important symptoms/effects, acute and delayed*
- *Indication of immediate medical attention and special treatment needed, if necessary*

4.1 DESCRIPTION OF FIRST AID MEASURES

| | |
|---------------------|--|
| General advice: | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |
| After eye contact: | Rinse with water. Get medical attention if irritation develops and persists. |
| After inhalation: | If symptomatic, move to fresh air. Get medical attention if symptoms persist. |
| After skin contact: | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| After ingestion: | Rinse mouth immediately and drink plenty of water. Observe risk of aspiration if vomiting occurs. First aid is normally not required. Get medical attention if symptoms occur. |

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

| | |
|-------------|---|
| Ingestion: | Not determined or not applicable. |
| Inhalation: | Not determined or not applicable. |
| Eyes: | Direct contact with eyes may cause temporary irritation |
| Skin: | Not determined or not applicable. |

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION

Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

- *Suitable (and unsuitable) extinguishing media*
- *Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products)*
- *Special protective equipment and precautions for fire-fighters*

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media:

- Dry chemical powder.
- Carbon dioxide (CO₂).
- Foam.
- Dry chemical powder.
- Sand

Unsuitable extinguishing media: **Do not use water jet as an extinguisher, as this will spread the fire.**

5.2 SPECIAL HAZARDS ARISING FROM THE MATERIAL

During fire, gases hazardous to health may be formed

5.3 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

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

5.4 FURTHER INFORMATION

1. In case of fire do not breath fumes.
2. Move containers from fire area if you can do so without risk.
3. Use standard firefighting procedures and consider the hazards of other involved materials.
4. If feeling unwell, remove to fresh air and seek medical assistance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- *Personal precautions, protective equipment, and emergency procedures*
- *Methods and materials for containment and cleaning up*

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

1. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
2. Particular danger of slipping on leaked or spilled product.

6.2 ENVIRONMENTAL PRECAUTIONS

1. Avoid discharge into drains, surface water, groundwater, or onto the ground. Prevent further contamination through containment and recovery of leakage or spillage.
2. In the event of a release of large quantities, notify competent local authorities in accordance with applicable environmental regulations.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEARING UP

1. Cover or block drains to prevent environmental release.
2. Contain the spill and absorb with suitable inert absorbent materials (e.g. sand, diatomaceous earth, or universal binding agents).
3. Collect the absorbed material and dispose of it in accordance with applicable waste disposal regulations and the guidance provided in Section 13 of this Safety Data Sheet.

6.4 REFERENCES TO OTHER SECTIONS

- Safe handling: see section 7
- Personal protection equipment: see section 8
- Disposal: see section 13

SECTION 7: HANDLING AND STORAGE

- *Precautions for safe handling*
- *Conditions for safe storage, including any incompatibilities*

7.1 PRECAUTIONS FOR SAFE HANDLING

1. Avoid contact with eyes, skin, and clothing.
2. Avoid prolonged exposure.
3. Wear appropriate personal protective equipment.
4. Wash hands after handling.
5. Observe good industrial hygiene practices.
6. Special danger of slipping by leaking/spilling product.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

1. Store in a dry, well-ventilated place and protect from heat or direct sunlight.
2. Keep away from heat, sparks, open flames, and other sources of ignition. No smoking.

7.3 SPECIFIC END USES

Intended for use in the manufacture of food products, cosmetics, and personal care products.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- *DOSH permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available*
- *Appropriate engineering controls*
- *Individual protection measures, such as personal protective equipment*

8.1 CONTROL PARAMETERS

| Component | CAS Nr | Valueform of Exposure | Control Params | Basis/Reference |
|-----------|------------|-----------------------|----------------|-----------------|
| Chia Oil | 93384-40-8 | No data | No data | No data |
| | | | | |
| | | | | |

8.2 EXPOSURE CONTROLS

- a) Occupational Exposure limit values: No occupational exposure limits noted for the ingredient(s).
- b) Biological limit values: No biological exposure limits noted for the ingredient(s).
- c) Information on monitoring procedures: Not determined or not applicable.
- d) Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.3 PERSONAL PROTECTION EQUIPMENT

- a) Eye and face protection: Wear safety glasses with side shields (or goggles).
- b) Skin and body protection: **Hand protection:** Chemical resistant gloves are recommended to minimize prolonged skin contact. Suitable gloves can be recommended by the glove supplier.
Other: Selection of specific items will depend on the task. Wear suitable protective clothing appropriate to task being performed. Wear thermal protection when handling hot material.
- c) Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

8.4 HYGIENIC MEASURES

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance (physical state, color, etc.)
- Odor
- Odor threshold
- pH
- Melting point/freezing point
- Initial boiling point and boiling range
- Flash point
- Evaporation rate
- Flammability (solid, gas)
- Upper/lower flammability or explosive limits
- Vapor pressure
- Vapor density
- Relative density
- Solubility(ies)
- Partition coefficient: n-octanol/water
- Auto-ignition temperature
- Decomposition temperature
- Viscosity

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--|--|
| a) Appearance: | Liquid, golden to yellow/light green oil |
| b) Odor: | Characteristic |
| c) Odor threshold: | Not determined or not available. |
| d) pH: | Not determined or not available. |
| e) Melting point/ freezing point: | -15°C |
| f) Boiling point/ boiling range: | ≥ 230°C |
| g) Flash point: | 200°C |
| h) Evaporation rate: | Not determined or not available. |
| i) Flammability (solid, gas): | Not flammable. |
| j) Upper/lower flammability or explosive limits: | Not determined or not available. |
| k) Vapor pressure: | <1.33xE-8 Pa (<1.00xE-10) mmHg) at 20°C |
| l) Vapor density: | Not determined or not available. |
| m) Relative density at 40°C: | 0,91 - 0,95 g/cm ³ |
| n) Solubility in water: | Insoluble in water. |
| o) Partition coefficient (log Kow): | Not determined or not available. |
| p) Autoignition temperature: | Not auto flammable. |
| q) Decomposition temperature: | Not determined or not available. |
| r) Viscosity: | Not determined or not available. |
| s) Explosive properties: | Not explosive. |
| t) Oxidizing properties: | Not expected to be oxidizing. |

9.2 OTHER INFORMATION

No other information available.

SECTION 10: STABILITY AND REACTIVITY

- *Reactivity*
- *Chemical stability*
- *Possibility of hazardous reactions*
- *Conditions to avoid (e.g., static discharge, shock, or vibration)*
- *Incompatible materials*
- *Hazardous decomposition products*

10.1 REACTIVITY

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

10.2 CHEMICAL STABILITY

Stable under recommended storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

1. No hazardous reactions are expected under normal conditions of use. Reacts with strong oxidizing agents; fire hazard may occur.
2. Avoid contact with incompatible materials (see section 10.5)

10.4 CONDITIONS TO AVOID

1. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
2. Keep out of direct sunlight.
3. Contact with incompatible materials (see section 10.5).

10.5 INCOMPATIBLE MATERIALS

Strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

1. Thermal decomposition from 300°C.
2. Carbon monoxide, carbon dioxide, hydrocarbons, gaseous.

SECTION 11: TOXICOLOGICAL INFORMATION

Description of the various toxicological (health) effects and the available data used to identify those effects, including:

- Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)
- Symptoms related to the physical, chemical and toxicological Characteristics
- Delayed and immediate effects and also chronic effects from short and long-term exposure
- Numerical measures of toxicity (such as acute toxicity estimates)
- Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by DOSH

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- a) Acute toxicity: **Assessment:** Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.
- b) Skin corrosion/irritation: **Assessment:** Based on available data, the classification criteria are not met.
Product data: Prolonged skin contact may cause temporary irritation.
Substance data: No data available.
- c) Serious eye damage/irritation: **Assessment:** Based on available data, the classification criteria are not met.
Product data: Direct contact with eyes may cause temporary irritation.
Substance data: No data available.
- d) Respiratory/skin sensitization: **Assessment:** Based on available data, the classification criteria are not met.
Product data: Respiratory sensitization: Not a respiratory sensitizer.
Skin Sensitization: This product is not expected to cause skin sensitization.
Substance data: No data available.
- e) Germ cell mutagenicity: **Assessment:** Based on available data, the classification criteria are not met.
Product data: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Substance data: No data available.
- f) Carcinogenicity: **Assessment:** Based on available data, the classification criteria are not met.
Product data: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
Substance data: No data available
- h) STOT-single exposure: **Assessment:** Based on available data, the classification criteria are not met.
Product data: Not classified.
Substance data: No data available.
- i) STOT-repeated exposure: **Assessment:** Based on available data, the classification criteria are not met.
Product data: Not classified.
Substance data: No data available.
- j) Aspiration hazard: **Assessment:** Based on available data, the classification criteria are not met.
Product data: Not an aspiration hazard.
Substance data: No data available.

11.2 INFORMATION ON LIKELY ROUTES OF EXPOSURE

- Eye contact: Direct contact with eyes may cause temporary irritation.
- Inhalation: No adverse effects due to inhalation are expected.
- Skin contact: No adverse effects due to skin contact are expected.
- Ingestion: Not expected to be acutely toxic.
- Symptoms related to the physical, chemical and toxicological characteristics: Vapor from heated material may cause irritation to upper respiratory tract (nose and throat)

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

- *Ecotoxicity (aquatic and terrestrial, where available)*
- *Persistence and degradability*
- *Bioaccumulative potential*
- *Mobility in soil*
- *Results of PBT and vPvB assessment*
- *Other adverse effects (such as hazardous to the ozone layer)*

12.1 ECOTOXICITY

The material is not ecotoxic.

12.2 PERSISTENCE AND DEGRADABILITY

1. The product is composed of naturally occurring vegetable oils and is expected to be ultimately biodegradable.
2. The product is not considered readily biodegradable; however, it is not expected to persist in the environment or cause long-term adverse environmental effects.

12.3 BIOACCUMULATIVE POTENTIAL

No data available.

12.4 MOBILITY IN SOIL

Product data: No data available.

Substance data: No data available.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

This material does not contain any substances that are assessed to be a PBT/vPvB.

12.6 OTHER ADVERSE EFFECTS

Additional ecological information: Avoid release into the environment

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this material.

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

- *Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.*

13.1 WASTE TREATMENT METHODS

Disposal methods: Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Local disposal regulations: Dispose in accordance with all applicable regulations. Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)

13.2 CONTAMINATED PACKAGING

Contaminated packages: Completely emptied packaging should be cleaned with soap and water prior to disposal. Cleaned packaging may be disposed of in accordance with local, regional, and national waste disposal regulations. Where permitted, disposal via household or commercial waste streams is acceptable.

SECTION 14: TRANSPORT INFORMATION

- UN number
- UN proper shipping name
- Transport hazard class(es)
- Packing group, if applicable
- Environmental hazards (e.g., marine pollutant (yes/no));
- Transport in bulk (according to annex ii of Marpol 73/78 and the IBC code)
- Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

14.1 LABELLING

Not classified as dangerous goods, no labelling for transport is required when carried in accordance with Special Provision 601 (ADR).

14.2 UNITED STATES TRANSPORTATION OF DANGEROUS GOODS

| | ADR | IMDG | ICAO |
|--|------|------|------|
| 14.2.1 UN Number | None | None | None |
| 14.2.2 UN Proper shipping name | None | None | None |
| 14.2.3 Transport hazard class(es) | None | None | None |
| 14.2.4 Packing group | None | None | None |
| 14.2.5 Environmental hazards | None | None | None |
| 14.2.6 Special precautions for user | None | None | None |
| 14.2.7 Transpt in bulk accord. to Annex II of MARPOL 73/78 and the IBC Code | None | None | None |

SECTION 15: REGULATORY INFORMATION

- *Safety, health and environmental regulations specific for the product in question*

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MATERIAL

The material is listed as an existing substance in Europe.

EU regulatory information

2004/42/EC (VOC): 100 % (920 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

15.2 CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment has not been carried out for this material.

15.3 US FEDERAL REGULATIONS

| | |
|-----------------------------|--|
| SARA Section 355 | None of the ingredients are listed. |
| SARA Section 355 | None of the ingredients are listed. |
| SARA Section 313 | None of the ingredients are listed. |
| Clean Air Act, Section 112 | None of the ingredients are listed. |
| TSCA | All ingredients are listed-active or exempt. |
| TSCA Section 5 | None of the ingredients are listed. |
| TSCA Section 12(b) | None of the ingredients are listed. |
| CERCLA | None of the ingredients are listed. |
| RCRA | None of the ingredients are listed. |
| Massachusetts Right to Know | None of the ingredients are listed. |
| New Jersey Right to Know | None of the ingredients are listed. |
| New York Right to Know | None of the ingredients are listed. |
| Pennsylvania Right to Know | None of the ingredients are listed. |
| California Proposition 65 | None of the ingredients are listed. |

SECTION 16: OTHER INFORMATION

- *The date of preparation of the initial SDS and miscellaneous information.*

16.1 LIST OF ABBREVIATIONS AND ACRONYMS USED IN THIS SDS:

| | |
|-------|--|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging Regulation (EC) no 1272/2008 DSD (Dangerous Substances Directive) 67/548/EEC |
| EC | European Community/Commission |
| EEC | European Economic Community |
| IARC | International Agency for Research on Cancer |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| NIOSH | National Institute for Occupational Safety and Health |
| NHS | National Health Service |
| PBT | Persistent, Bioaccumulative and Toxic |
| PPE | Personal Protection Equipment |
| REACH | Registration, Evaluation, Authorization and Restriction of Chemicals Regulation (EC) no 1907/2006 |
| SDS | Safety Data Sheet |
| vPvB | very Persistent, very Bioaccumulative |
| WEL | Workplace Exposure Limit |

16.2 KEY LITERATURE REFERENCES AND SOURCES OF DATA

- PubChem; [US National Institute of Health EPISuite](#) – US Environmental Protection Agency
- [ECHA Website](#)

16.3 METHOD USED FOR CLASSIFICATION OF MIXTURES:

This material is not a mixture and possesses minimal levels of other components (<1.0% w/w total).

16.4 TRAINING REQUIREMENTS FOR WORKERS:

Those handling this material need to be fully aware of potential ecological effects.

16.5 DISCLAIMERS

The information presented in this Safety Data Sheet is provided in good faith and is believed to be accurate as of the date of issue. This product is not classified as hazardous under applicable regulations. However, the conditions, methods, and environments of handling, storage, processing, and use are beyond our control. Therefore, OrganicCrops E.I.R.L. makes no warranties, expressed or implied, and assumes no legal responsibility or liability for the completeness or accuracy of the information, or for any loss, damage, injury, or consequences arising from the use, misuse, or inability to use this product or the information provided.

Users are responsible for determining the suitability of the product for their intended application and for ensuring compliance with all applicable national, federal, state, and local laws, regulations, and standards. This SDS cannot anticipate all possible conditions or circumstances under which the product may be handled or used. Each aspect of your operation should be evaluated to identify whether additional precautions, protective measures, or procedures are required.

All health, safety, handling, and regulatory information contained herein must be communicated to employees, customers, distributors, and any other individuals who may handle or use the product. OrganicCrops E.I.R.L. reserves the right to update or revise this document as new information becomes available.

16.6 SDS DATE OF PREPARATION:

Initial preparation date: 17-Feb-2021