

Broccoli Seed Oil Unrefined

1. Identification

FEMA No
CAS No.: 223749-36-8
INCI Name: Brassica oleracea (Broccoli) Seed Oil
Product Use: Personal Care Products
Emergency Telephone: Chemtrec: 800-424-9300 (US) / +1-703-527-3887
Date Issued: 02/17/14

2. Composition Information

Chemical Identity: Broccoli Seed Oil
Description: Vegetable Triglycerides Pressed from Broccoli Seeds
Hazardous components: None
OSHA PEL: N/A

3. Hazards Identification

Routes of Entry: None
Eye Contact: No Adverse Health Effect Expected
Skin Contact: No Adverse Health Effect Expected
Ingestion: No Adverse Health Effect Expected
Inhalation: No Adverse Health Effect Expected

4. First Aid Measures

Eyes: Flush with plenty of eye wash solution for 15 minutes. Seek medical attention if irritation develops or persists.
Skin: Wash with soap and water.
Ingestion: None required for small amounts ingested.
Inhalation: N/A
Medical Conditions Aggravated by Exposure: None known.

State of the Art Ingredients • Fast Friendly Service

5. Fire Fighting Measures

| | |
|-------------------------------------|--|
| Flash Point: | Not determined. |
| Flammable Limits: | N/A |
| Hazardous Combustion Products: | None known. |
| Extinguishing Media: | Dry chemical – Carbon dioxide – Foam – Treat as an oil (edible fat) fire. Do not use water except to cool containers. Avoid direct water jet. |
| Special Fire Fighting Procedures: | Combustible material. Avoid spreading of oil. Use self contained breathing apparatus with full face shield or other positive pressure mode. |
| Unusual Fire and Explosion Hazards: | Not established |

6. Accidental Release Measures

| | |
|---------------------------|--|
| Environmental Protection: | Notify authorities if large amounts enter sewer. Turn off ignition sources. Floor will be slippery. Isolate area and deny entry until contained. Ventilate areas. |
| Methods for Clean Up: | Absorb using inert absorbent material and collect. Do not use combustible materials (saw dust). Wash area with soap and water to prevent slip hazard. |

7. Handling and Storage

| | |
|----------------|---|
| Safe Handling: | Apply standard lab hygiene practices. Wear safety glasses. Keep away from oxidizing agents, excessive heat and ignition sources. Wash hands and exposed areas with soap and water. |
|----------------|---|

State of the Art Ingredients • Fast Friendly Service

Requirements for Storage: Store sealed and well ventilated in a cool, dry, location.
Areas and Containers:

8. Exposure Control / Personal Protection

Engineering Controls: None
Personal Protection:
Eye: Safety glasses should be worn.
Skin / Body: Lab coats and gloves.
Respiratory: None needed under normal conditions of use.
Ventilation: Handle in well ventilated area.
Other: Evaluate based on application. Slip proof shoes should be worn.
Work/Hygiene Practice: Normal work and hygiene practices for handling non hazardous material.

9. Physical and Chemical Properties

Physical State: Liquid.
Color: Yellow Green.
Odor: Characteristic.
Specific Gravity
(H₂O = 1): 0.92g / cm³
Flash Point: Not determined.
Solubility in Water: Insoluble.

10. Stability and Reactivity

Stability: Stable under normal conditions.
Conditions to Avoid: Extreme heat.
Incompatibility: Avoid strong oxidizers.
Materials to Avoid:
Hazardous Polymerization: Will not occur.

State of the Art Ingredients • Fast Friendly Service

11. Toxicological Information

Toxicity Data: Not determined.
Medical Conditions
generally aggravated by exposure: None know.
Irritancy:
Skin: Not expected to be an irritant.
Eyes: Not expected to be an irritant.

12. Ecological Information

Ecological Information: Not available.

13. Disposal Consideration

Water Disposal Method: Do not allow into sewer lines. Dispose in accordance with local, state, and federal regulations.

14. Transport Information

This material is not considered hazardous for transport.
DOT Classification: Not regulated. Not dangerous goods.
ADR / RID
(International Road/Rail): Not regulated. Not dangerous goods.
IATA (Air Cargo): Not regulated. Not dangerous goods.
IMDG (Sea): Not regulated. Not dangerous goods.

15. Regulatory Information

No information

State of the Art Ingredients • Fast Friendly Service

16. Additional Information

This information is provided for documentation purposes only.

This product is not considered hazardous.

Disclaimer:

The complete range of conditions or methods of use of this product can not be anticipated and are beyond our control therefore, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and regulations remain the responsibility of the user.

The safety sheet can not cover all possible situations which the user may experience during processing. Each aspect of your operation should be evaluated to determine if, or where, additional precautions may be necessary. All health and safety information contained should be shared.

This information is believed to be accurate and is intended for general guidance. Information should not be construed as a guarantee of this product's suitability for any particular purpose or application. Ingredients To Die For offers no warranties, either expressed or implied, nor is freedom from any patent owned by Ingredients To Die For or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of product is given for guidance purposes only and do not necessarily represent manufacturing specifications or practices.

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. As the ordinary or otherwise use(s) of this product is outside the control of Ingredients To Die For, no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained.

Ingredients To Die For expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, Ingredients To Die For as to the fitness for any use should consider nothing contained herein as a recommendation. The liability of Ingredients To Die For is limited to the value of the goods and does not include any consequential loss.