

Broccoli seed oil

Safety Data Sheet

The format of this safety data sheet complies with Annex II of EU Regulation 1907/2006 (REACH).

Revision date October 2015

SECTION 1: Identification

1.1. Identification

Product Broccoli seed oil

1.2. Recommended use and restrictions on use

Recommended Use Personal Care Products

1.3. Supplier

Camden-Grey Essential Oils, Inc.
3558 Plover Ave., Unit 6
Naples, FL 34117
www.camdengrey.com

1.4. Emergency telephone number

Emergency number: Chemtrec -1.800.424.9300/ 1.703.527.4887

SECTION 2: Hazard(s) identification

2.1 CLASSIFICATION OF THE SUBSTANCE:

2.1.1 Under EC Regulation 1272/2008 as amended ("CLP")

Non-hazardous

2.2 LABEL ELEMENTS

2.2.1 Under EC Regulation 1272/2008 as amended ("CLP")

Signal Word: None
Pictograms: None
Hazard Statements: None
Precaution Statements: None

SECTION 3: Composition/information on ingredients

3.1. Substance

<u>CAS Nr</u>	<u>EINECS Nr</u>	<u>Substance</u>	<u>Percentage</u>
223749-36-8	N/A	Brassica Oleracea Italica (Broccoli) Seed oil	100%
(999999-99-4)	(619-464-6)	Naturally occurring substance	

SECTION 4: First-aid measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Immediately wash with soap and water and rinse thoroughly. Remove soiled clothing. Then consult a doctor.
After eye contact: Immediately rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: Make victim drink plenty of water; avoid vomiting (risk of perforation!). Immediately call a doctor. Do not attempt to neutralize.

Most important symptoms and effects, both acute and delayed

No information available

Indications of immediate medical attention and special treatment needed

None known

SECTION 5: Fire-fighting measures

Extinguishing media

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Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire-extinguishing methods suitable to surrounding conditions.

Special hazards caused by the substance, its products of combustion or resulting gases:

In case of fire, the following can be released: Hazardous vapors
Carbon Dioxide, Carbon Monoxide

Protective equipment: Wear full protective suit and self-contained respiratory protective device.

Additional information: N/A

Advice for fire-fighters No specific advice

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Person-related safety precautions: Isolate spillage and clean up immediately. Refer to Sections 7 & 8 for protective measures when handling the spillage.

6.2. Environmental precautions

Measures for environmental protection: Do not allow liquid to enter sewers/surface or ground water.

6.3. Methods and material for containment and cleaning up

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to Section 13. Rinse off area with water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Information for safe handling: Observe the general safety regulations when handling chemicals.
Avoid contact with the eyes, skin and mucous membranes.
Avoid inhalation.

Requirements to be met by storerooms and receptacles

No special requirements.

Protective measures

Strictly control dust accumulation. Maintain adequate local and general exhaust ventilation. Avoid sources of ignition.

Advice on general occupational hygiene

Wash hands after contact. Do not breath dusts. Avoid contact with liquids and powders.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container at or below 25°C.

SECTION 8: Exposure controls/personal protection

Control Parameters

Ingredients with limit values that require monitoring in the workplace: None

Exposure controls

Avoid exposure to high temperature during processing
Maintain adequate local and general ventilation where product is handled.

Appropriate engineering controls

Ventilation meeting ACGIH criteria
Additional information: N/A

Personal protective equipment:

General protective and hygienic measures: Gloves, safety glasses
Follow Good Laboratory and Manufacturing Practices (GLP/GMP).
Wash hands before breaks and at the end of work.

Protection of hands: Disposable gloves
Material of gloves: Latex/Natural rubber (NR)
Penetration time of glove material: Gloves providing minimal protection are sufficient when the product is handled in accordance with the instructions for use.

Eye protection: Safety glasses
Body protection: Lab coat
Respiratory protection: NIOSH-approved organic vapor respiration or equivalent

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: Liquid
Color: Yellow

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Odor:	To match standard
Change in condition	
Melting point/Melting range:	N/A
Boiling point/Boiling range:	Not determined
Flash point:	>200 °F (closed cup)
Self-igniting:	Will not self-ignite.
Danger of explosion:	Does not present an explosion hazard.
Vapor pressure:	<0.1 Pa @ 20°C (estimated)
Density at 20°C:	N/D
Refractive Index	@ 25°C : n/d
Solubility in/Miscibility with water:	Insoluble
pH-value at 20°C:	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Stability: stable when stored in accordance with the recommended storage conditions

10.2. Chemical stability

Stable at ambient temperatures

10.3. Possibility of hazardous reactions

Not known

10.4. Conditions to avoid

Do not heat closed containers

10.5. Incompatible materials

Materials to be avoided:

- oxidizers
- strong acids or bases

Hazardous reactions: No dangerous reactions known.

10.6. Hazardous decomposition products

CO₂, CO

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Calculated LD50: >2 g/kg (rat, oral, estimated)

Primary effects

After skin contact:	Irritation
After eye contact:	Irritation
After ingestion:	Nausea
Sensitization:	May cause sensitization
Chronic Toxicity:	None known

SECTION 12: Ecological information

Ecotoxic effects:	Not tested
Aquatic toxicity:	Not tested

SECTION 13: Disposal considerations

Product:

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

European waste catalogue:

07 07 04 other organic solvents, washing liquids and mother liquors

Packaging:

Disposal must be made in accordance with local waste management regulations. Contaminated packaging must be disposed of in the same manner as the product. Non-contaminated packaging materials may be recycled. Contact your local service providers for further information

SECTION 14: Transport information

DOT	Non-hazardous
Land transport	Non-hazardous

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Sea transport
Air transport

Non hazardous
Non hazardous

SECTION 15: Regulatory information

15.1 Labeling according to EU guidelines:	See Section 2
Code letter and hazard designation of product:	See Section 2
15.2 Chemical Safety Assessment	Not available

SECTION 16: Other information

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