

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Broccoli Seed Oil Virgin
INCI name	Brassica Oleracea Italica
CAS #	223749-36-8
Country of Origin	USA
EINECS #	273-313-5
Product use	Cosmetic/Industrial
Supplier	Botanic Planet Canada Inc.
Address	2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada
Telephone number	905-455-4444
Emergency phone number	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Not applicable.

GHS Label elements, including precautionary statements

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

SECTION 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	Cas No	EC No	Concentration
Brassica Oleracea Italica Seed Oil	223749-36-8	-	100 %

SECTION 4. FIRST-AID MEASURES INHALATION EXPOSURE:

Normal inhalation is unlikely to produce adverse reactions. Use in well ventilated areas. In the event of adverse reactions. Remove to fresh air. Give oxygen and call a physician.

EYE CONTACT: Flush with water for 15 min without making eyes sore. Unsweetened Milk may help flush oil from eyes. Seek medical help if necessary.

SKIN CONTACT: Wash area with undiluted dishwashing liquid and flush with copious amounts of water. Seek medical help if necessary.

INGESTION: Flush from mouth with water or unsweetened milk. Administer water and call a physician or poison control center immediately. Do not induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon Dioxide, powder or water spray.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Standard absorbents can be used.

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE HANDLING

Avoid breathing in dust. To prevent explosion hazards, do not allow dust to settle on surfaces. It is recommended that all dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or explosion suppression systems. All conductive elements of the system that contacts this material should be electrically bonded and grounded.

STORAGE Store in a cool, well-ventilated area.

FIRE PROTECTION Keep away from ignition sources and naked flame.

SECTION 8. EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

VENTILATION:

PROTECTIVE GLOVES: Rubber gloves

EYE PROTECTION: Splash-proof safety glasses.

RESPIRATORY: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Use appropriate NIOSH approved dust respirator if PEL/TLV may be exceeded.

OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash

SECTION 9. PHYSICAL STATE AND APPEARANCE

Appearance: Light yellow to golden colored liquid.

Odor: Characteristic odor

Odor Threshold: Not Available

pH: Not Available

Melting/Freezing Point: Not Available

Boiling Point: Not Available

Flash Point: >200°C

Evaporation Rate: Not Available

Flammability (Solid; Gas): Not Available

Upper/Lower Flammability or Explosion Limits: Not Available

Vapor Pressure (mm Hg @ 25°C (77° F): Not Available

Vapor Density: Not Available

Relative Density: Not Available

Specific Gravity: Not Available

Solubility in Water: Insoluble

Weight per Gallon: Not Available

Partition Coefficient (n-octanol/water): Not Available

Auto-Ignition Temperature: Not Available

Decomposition Temperature: Not Available

Viscosity: Not Available

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES CONDITIONS TO AVOID:

No materials present special reactivity hazards.

MATERIALS TO AVOID: Strong oxidizing agents

HAZARDOUS COMBUSTION PRODUCTS CO, CO₂, water

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Most likely route of entry is through the skin. Full strength may be irritating to skin, mucous membranes and eyes.

THRESHOLD LIMIT VALUE (TLV): Not established **OSHA PERMISSABLE EXPOSURE LIMIT (PEL):** Not established **LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA ?**

SECTION 12. ECOLOGICAL INFORMATION GENERAL

NONE

SECTION 13. DISPOSAL CONSIDERATION WASTE DISPOSAL METHOD

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Class Pack Group Sub. Risk UN No. IMDG Page Road (U.S.-DOT): UN 1169. Air (IATA): not regulated. Sea (IMDG): not regulated.

SECTION 15. REGULATORY INFORMATION

EUROPEAN INFORMATION There were no toxicological studies in the published literature to assign risk and safety phrases.

REVIEWS, STANDARDS, AND REGULATIONS EPA TSCA SECTION 8(B) CHEMICAL INVENTORY LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA ? NO

SECTION 16. OTHER INFORMATION

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada
Email: info@botanicplanet.ca www.botanicplanet.ca

Certificate of Analysis

Product Name: Broccoli Seed Oil Virgin

INCI: Brassica Oleracea Italica

Lot No: BPCBSOV122022

Best Before: December 2025

Origin: USA

Properties	Specifications	Results
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Appearance: Pale yellow to golden liquid

Odor: Slightly herbaceous, characteristic and mild

Refractive Index: 1.465 – 1.475 @ 20°C

Specific Gravity: 0.910 – 0.920 @ 20°C

Saponification Value: 168 – 190

Peroxide Value: < 5.0

Iodine Value: 90 – 120

Acid Value: < 3.0

Solubility Soluble in cosmetic esters and fixed oils; insoluble in water.

Fatty Acids

Palmitic Acid (C16:0) 1.00 – 5.00

Stearic Acid (C18:0) Maximum 2.00

Oleic Acid (C18:1) 5.00 – 18.00

Linoleic Acid (C18:2) 5.00 – 15.00

Alpha-Linolenic Acid (C18:3) 6.00 - 12.00

Eicosanoid Acid (C20:1) 2.00 – 10.00

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