



24 CHATHAM PLACE, BRIGHTON, BN1 3TN (UK)  
 TEL. (UK) 0845 310 8066 International Tel. +44 1273 746505  
 EMAIL: info@nhrorganicoils.com Web Site: [www.nhrorganicoils.com](http://www.nhrorganicoils.com)

## Safety Data Sheet

# Organic Broccoli Seed Oil (*Brassica oleracea italica*)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Broccoli Seed Oil Organic.			
Biological Definition		Brassica Oleracea Italica Seed Oil is the oil expressed from the seeds of the Broccoli, <i>Brassica oleracea L. italica</i> , <i>Brassicaceae</i> .			
INCI Name		Brassica Oleracea Italica Seed Oil.			
Synonyms & Trade Names		-			
CAS-No	n/a	EC No.	n/a	EINECS No.	n/a
1.2 Relative identified uses of the substance or mixture and uses advised against					
Recommended use; component of cosmetic products.					
1.3 Details of the supplier of the safety data sheet					
NHR Organic Oils, 24 Chatham Place, Brighton, BN1 3TN, UK. Email – info@nhrorganicoils.com					
1.4 Emergency Tel. No.		+ 44 (0) 1273 746505			

### 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Not classed as a hazardous substance.	
Classification (EC 1272/2008)	
Not classed as a hazardous substance.	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
None.	
Signal Word	None.
Contains	Contains no hazardous substances.
Hazard Statements	
None.	
Precautionary Statements	
None.	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	
100% Brassica Oleracea Italica Seed Oil - not classed as a hazardous substance.	

**4. FIRST AID MEASURES**

<b>4.1 Description of first aid measures</b>	
Inhalation	Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues.
Ingestion	No adverse affects expected under normal conditions of handling. Seek medical attention if any discomfort occurs.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
No symptoms known.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
None.	

**5. FIRE-FIGHTING MEASURES**

<b>5.1 Extinguishing Media</b>	
Extinguishing media: Carbon dioxide (CO <sub>2</sub> ). Dry Chemical Powder. Foam.	
Unsuitable extinguishing media: do not use direct water jet on burning material.	
<b>5.2 Special hazards arising from the product</b>	
This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container. <b>Dangerous combustion residues:</b> smoke, carbon monoxide, carbon dioxide.	
<b>5.3 Advice for firefighters</b>	
In case of fire; use respirator.	

**6. ACCIDENTAL RELEASE MEASURES**

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Use protective gloves, goggles and suitable protective clothing. Remove sources of ignition, provide adequate ventilation and avoid contact with skin and eyes.	
<b>6.2 Environmental Precautions</b>	
Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.	
<b>6.3 Methods and material for containment and cleaning up.</b>	
Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations. If spillage in water occurs; Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.	
<b>6.4 Reference to other sections</b>	
None.	

**7. HANDLING AND STORAGE**

<b>7.1 Precautions for safe handling</b>	
Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation.	

Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Keep containers leak proof, tightly closed and dry.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.
<b>7.3 Specific end use(s)</b>
No additional data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	
None.	
<b>8.2 Exposure controls</b>	
Protective Equipment	
No special measures required.	
Process Conditions	No special measures required.
Engineering Measures	No special measure required, though adequate ventilation is recommended in line with general good laboratory practice.
Respiratory Equipment	No special measures required.
Hand Protection	No special measures required.
Eye Protection	No special measures required.
Other Protection	Slip proof shoes may be worn in event of spillages.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	No special measures required.
Skin Protection	No special measures required.
Environmental Exposure Controls	Avoid discharging into drainage water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Clear, golden liquid.
Colour	Golden.
Odour	Characteristic.
Relative Density	0.910 - 0.919 @ 20°C
Flash Point (°C)	No additional data available.
Refractive Index	1.464 - 1.474 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water. Soluble in oil and ethanol.
Auto-ignition temperature (°C)	No additional data available.
<b>9.2 Other information</b>	
No additional data available.	

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>
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Generally stable. Oxidation with atmospheric oxygen. Formation of free fatty acids.
<b>10.2 Chemical stability</b>
Stable under the recommended handling and storage conditions.
<b>10.3 Possible hazardous reactions</b>
Reacts with oxidants.
<b>10.4 Conditions to Avoid</b>
Avoid contact with heat sources, sunlight and open flames.
<b>10.5 Incompatible materials</b>
Avoid contact with strong acids, alkalis and oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>
Does not decompose at proper handling.

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	In compliance with generally accepted uses and quantities are no negative impacts to be expected. LD50 oral: not determined. LD50 dermal: not determined. LC50: not determined. Inhalation: There is not expected negative impact. Ingestion: There is not expected negative impact. Skin contact: There is not expected negative impact. Eye contact: There is not expected negative impact.
Skin corrosion / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Serious eye damage / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Respiratory or skin sensitisation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Germ Cell Mutagenicity	No expected negative impact.
Carcinogenicity	No expected negative impact.
Reproductive toxicity	No expected negative impact.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	None.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	
No additional data available.	
<b>12.2 Persistence &amp; degradability</b>	
Biologically well degradable.	
<b>12.3 Bioaccumulation Potential</b>	
No additional data available.	
<b>12.4 Mobility in soil</b>	
No additional data available.	

**12.5 Results of PBT and vPvB Assessment**

No additional data available.

**12.6 Other adverse effects**

Do not allow product to enter streams, sewers or other waterways.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Collect and dispose of waste product, in accordance with local authority guidelines, at an authorised disposal facility. Product remainders should not intrude soil or waters.

**14. TRANSPORT INFORMATION****14.1 UN number**

UN No. Road	Non hazardous product.
UN No. SEA	Non hazardous product.
UN No. AIR	Non hazardous product.

**14.2 UN proper shipping name**

No additional data available.

**14.3 Transport hazard class(es)**

No additional data available.

**14.4 Packing group**

No additional data available.

**14.5 Environmental hazards**

No hazard label necessary – non hazardous product.

**14.6 Special precautions for user**

See sections 6 – 8.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

Not defined.

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No additional data available.

**15.2 Chemical safety assessment**

No additional information available.

**16. OTHER INFORMATION**

Hazard and/or Precautionary Statements in Full	None - non hazardous product.
Other Information	None.
Revision Date	26/06/2015
Reason for revision	New SDS.
Rev No/Repl, SDS Generated	01

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