# MATERIAL SAFETY DATA SHEET

## 1 - Identification of Product and Supplier

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Broccoli Seed Oil (Organic)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier:</td>
<td>Akoma International (UK) LTD</td>
</tr>
<tr>
<td></td>
<td>Unit 9A Sawley Park</td>
</tr>
<tr>
<td></td>
<td>Nottingham Road</td>
</tr>
<tr>
<td></td>
<td>Derby</td>
</tr>
<tr>
<td></td>
<td>DE21 6AS</td>
</tr>
<tr>
<td></td>
<td>Tel: +44 (0) 1332 613 967</td>
</tr>
</tbody>
</table>

Emergency Contact: Mr. Wynn Mensah – Tel: 01332 613 967

## 2 - Composition and information on ingredients:

The product contains the following materials in portions of 0.1 % or more, which are characterized as malicious or very malicious and/or materials in portions of 1 % or more, which are characterized as less toxic, corrosive or provocative.

- **Inci Name**: Brassica Oleracea Italica Seed Oil
- **Chemical composition**: Brassica Oleracea Italica Seed Oil is the oil expressed from the seeds of the Broccoli, *Brassica oleracea L. italic*, *Brassicaceae*
- **CAS No**: N/A
- **EINECS No**: N/A
- **Application**: Emollient, Hair Conditioning, Skin Conditioning

## 3 - Hazards identification:

The product contains the following materials in portions of 0.1 % or more, which are characterized as malicious or very malicious and/or materials in portions of 1 % or more, which are characterized as less toxic, corrosive or provocative. Hazardous ingredients: None

## 4 - First aid measures:

- **Generally**: No special measures necessary
- **Inhalation**: First aid is usually not necessary
- **Skin contact**: Generally, no skin irritation to be expected. Wash with water and soap.
- **Eye contact**: Flush eyes with large volumes of water for several minutes. In case of irritation seek medical advice.

---

Akoma International (UK) LTD
Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS
Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

Broccoli Seed Oil Organic - MSDS
Ingestion: Generally, first aid is not necessary. Seek medical attention in case of any adverse effects.

5 - Fire - Fighting measures:

Extinguishing media: Foam, dry chemical powder, carbon dioxide. Do not use direct water jet on burning material.

Special hazards from the substance or preparation itself, combustion products or flue gases: 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.

Dangerous combustion residues: smoke, carbon monoxide, carbon dioxide

Special fire-fighting procedures: In the case of fire: Use respirator.

6 - Accidental release measures:

Personal precautions: See section 8.

Land spill: Shut off source. Prevent product from entering sewerage, water courses or low lying areas; advise the relevant authorities if it has already or if it is still contaminating sewerage, waters or soil/vegetation. Take measures to reduce or prevent effects on ground water. Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.

Water spill: 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.

7 - Handling and storage:

Handling: Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.

Storage: Intrusion into soil to be avoided. Store the product in chilled (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.

Fire and explosion protection: Ignition hazard when welding at empty container.

8 - Exposure controls and personal protection:

Respiratory: No special measures required
Hand protection: No special measures required
Eye protection: No special measures required
Physical protection: No special measures required

9 - Physical data and chemical properties:

Appearance/odour: Clear, golden liquid, characteristic odour
pH-value: Not available.
Boiling range: Not available.
Flash point: Not available.
Flammability: Not available.
Explosion hazard: Not available.
Fire accelerator: Not available.
Vapour pressure: Not available.
Relative density: 0.91 - 0.92 at 20°C
Solubility: Soluble in oil and ethanol
Solubility in water: Not soluble in water
Evaporation rate: Not available.
Viscosity: Not available.
Vapour density: Not available.
Evaporation rate: Not available.

10 - Stability and Reactivity:

Conditions to avoid: Keep away from heat sources, open flames and sunlight.
Substances to avoid: Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen.
Hazardous decomposition products: Product does not decompose at proper handling.

11 - Toxicological information:

Basics of Evaluation: The evaluation was made of toxicological data of components or similar products derived.
Acute toxicity: In compliance with generally accepted uses and quantities are no negative impacts to be expected.
LD50: not determined
LC50: not determined
Irritant effect on respiratory organs: Slight irritation of the mucous membranes may occur.
Sensitization: In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Toxicity after repeated administration: In compliance with generally accepted uses and quantities are no negative impacts to be expected.
CMR-effect: There are not expected negative impact.
Additional Information: Akute Toxicity, irritation and CMR-effects of the substance are investigated and rated. Individual aspects are partially missing data. In the experience of the manufacturer, however, on the identification excess risks to be expected.

12 - Ecological information:

Ecological toxicity: Specific ecological toxicity data for this product are not available.
Mobility: No data available
Persistence and degradability: Biologically well degradable
Bioaccumulation potential: No information available
PBT characteristics: No information available
Water hazard rate: Not rated as a hazardous substance
Other harmful effects: No information available

13 - Disposal considerations:
Recommendation: Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude in soil or waters.

14 - Transport information:

General precautions during transportation: Keep Container closed, dry, and cool.
Sea transportation (acc. to IMDG): Not regulated
Road transportation (acc. To ADR): Not regulated
Train transportation (acc. to RID): Not regulated
Air transportation (acc. to ICAO): Not regulated
Annex 18

15 - Regulatory information:

Assessment of material safety: An assessment has not been executed.
Hazardous Components: None
Labelling according to EU regulation 1272/2008 (GHS-Labelling)
Signal word: No signal word
Pictograms: None
Hazard phrases: None
Safety phrases: None

16 - Other information:

Cosmetics Directive 7th Amendment: Not restricted

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 18 months.

Q.C. REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding it's' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

Revised: 03.11.2014

Akoma International (UK) LTD
Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS
Tel: +44 (0) 1332 613 967
E-mail: support@akoma.zendesk.com

Broccoli Seed Oil Organic - MSDS