

## SAFETY DATA SHEET

**Product:** Mustard Seed Oil, Cold Press

### 1 - Identification of Product and Supplier

Product Name: **Mustard Seed Oil, Cold Pressed**  
Supplier: **Purple Flame Aromatherapy Ltd**, St John's Spinney, Gun Hill, New Arley,  
Warwickshire, CV7 8HA  
Emergency Contact: Lorraine Lusty – Tel: +44 (0) 1676 542542

### 2 - Hazards identification:

This product is a pure vegetable fatty oil which is not considered to present any hazard during normal use.

### 3 - Composition and information on ingredients:

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU guideline 548/67 and further amendments, nor to those having recognised exposition limits.

INCI Name: **Sinapis Alba (Mustard) Seed Oil**  
Chemical composition: Sinapis Alba Seed Oil is crushed from the seeds of the white mustard, *Sinapis alba*, L. (syn. *Brassica alba* (L.)), *Brassicaceae*.  
Chemical name: Triglycerides  
CAS No: N/A  
EINECS No: N/A  
Function: Skin Conditioning

### 4 - First aid measures:

Skin contact: Wash with water and soap  
Eye contact: Flush with water  
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  
Unsuitable extinguishing media: Water  
Fire and explosion hazards: Combustible material, low hazard. The product can form flammable mixtures or can burn only on heating above the flash point. However, minor contamination by hydrocarbons of higher volatility may increase the hazard. Very fine distribution with air may cause spontaneous combustion.  
Special fire-fighting procedures: Water fog or spray, to cool fire-exposed surfaces (e.g. containers) and to protect personnel, should only be used by personnel trained in fire fighting. Cut off "fuel"; depending on circumstances, either allow the fire to burn out under controlled conditions or use foam or dry chemical powder to extinguish the fire. Respiratory and eye protection required for fire fighting personnel exposed to fumes or smoke.  
Hazardous combustion products: Smoke, carbon monoxide and carbon dioxide.

### 6 - Accidental release measures:

## SAFETY DATA SHEET

**Product:** Mustard Seed Oil, Cold Press

<u>Land spill:</u>	Shut off source taking normal safety precautions. Prevent liquid from entering sewers, water courses or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation. Take measures to minimise the effects on ground water. Recover by skimming or pumping using explosion-proof equipment, or contain spilled liquid with booms, sand, or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13.
<u>Water spill:</u>	Confine the spill immediately with booms. Warn other shipping. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. Disperse the residue in unconfined waters, if permitted by local authorities and environmental agencies.

### 7 - Handling and storage

<u>Requirements for storerooms and containers:</u>	Penetration of soil to be avoided. Store the product in cool, well ventilated surroundings, well 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 regarding fire prevention with this class of product.
<u>Load/unload temperature:</u>	Not below + 10°C (cloud point)
<u>Storage temperature:</u>	+ 15 - 20°C
<u>Fire and explosion protection:</u>	Danger of flammability when welding at the empty container/drum etc. Leakage or conditions resulting in impregnation of this oil with some porous materials such as rags, paper, insulation or clay may cause spontaneous combustion.
<u>Special precautions:</u>	Keep containers closed when not in use. Protection against sun/light. Prevent small spills and leakages to avoid slip hazard. Take extreme care to avoid contamination by other products and materials.

### 8 - Exposure controls and personal protection

<u>Occupational exposure limit</u>	
<u>Personal Protection:</u>	In open systems where contact is likely, wear safety glasses with side shields. When concentrations in air may exceed the occupational exposure limit, and where engineering, work practices, or other means of exposure reduction are not adequate, approved respirators may be required.

### 9 - Physical data and chemical properties

<u>Form:</u>	Liquid at room temperature
<u>Odour:</u>	Characteristic
<u>Colour:</u>	Very pale yellow clear oily liquid to golden-yellow, sometimes slightly turbid
<u>pH:</u>	Neutral
<u>Boiling point (°C):</u>	>100
<u>Density @ 20 °C:</u>	0.912 - 0.928
<u>Hydrosolubility:</u>	Insoluble
<u>Liposolubility:</u>	Soluble in vegetable oils
<u>Flash point (°C):</u>	> 326
<u>Boiling range(°C):</u>	> Abt. 305

## SAFETY DATA SHEET

**Product:** Mustard Seed Oil, Cold Press

Viscosity at 20°C (mPa.s): Abt. 60  
Vapour density: < 1 mbar (20°C) < 1 mbar (100°C)  
Evaporation rate (n-butyl acetate=1): non-volatile  
pH: Neutral

### 10 - Stability and Reactivity:

Conditions to avoid: High temperature near flash point  
Materials to avoid: Strong oxidising agents  
Hazardous decomposition products: Acrolein at extreme heating  
Hazardous reactions: Polymerisation not likely to occur  
Shelf Life: Min 12 months when stored in nitrogen flushed containers

### 11 - Toxicological information:

#### EFFECTS OF OVER EXPOSURE:

Inhalation: No hazard in normal industrial use.  
Skin contact: Not considered to be a hazard. Clean with water and soap.  
Eye contact: Not considered to be a hazard.  
Ingestion: No hazard in normal industrial use.

#### TOXICITY DATA:

Acute: No test data are available for this product. The potential health hazards were therefore derived from what is known of the toxicity of vegetable oils in general.  
Chronic: Although there is no specific test data on this product, the oil would not be expected to exhibit carcinogenic potential.

### 12 - Ecological information

In the absence of specific environmental data for this product, this assessment is based on general information for vegetable oils. The oil will remain largely on the soil surface, and in water, will remain largely on the water surface. No harmful effects to terrestrial or aquatic habitats would be expected. This product is expected to be biodegradable.

### 13 - Disposal considerations:

Residue for disposal: According to local regulations.  
Waste packing: Observe local regulations.

### 14 - Transport information:

Not dangerous product  
Classification: Not classified in RID/ADR/IMDG

### 15 - Regulatory information:

In compliance with the requirements in the current Cosmetic Directives 67/548 EEC et 1999/45/CE

## SAFETY DATA SHEET

**Product:** Mustard Seed Oil, Cold Press

### 16 - Other information:

#### 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: 12.08.2013 AM