



# Essential Oils Direct Ltd

## Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Macadamia Nut Oil.			
Biological Definition		The fixed oil obtained from <i>Macadamia integrifolia tetraphylla</i> (Maiden & E. Betche) Fam. Proteaceae.			
INCI Name		Macadamia Integrifolia / Tetraphylla seed oil.			
Synonyms & Trade Names		Macadamia seed oil, Bush nut oil.			
CAS-No	438545-25-6	EC No.	-	EINECS No.	-
1.2 Relative identified uses of the substance or mixture and uses advised against					
No additional data available.					
1.3 Details of the supplier of the safety data sheet					
Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912					
1.4 Emergency Tel. No.		+ 44 (0) 161 633 3952			

### 02. 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.
Adverse physio-chemical properties	None known.
Adverse effects on human health	None known.

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
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**100% Macadamia Integrifolia / Tetraphylla seed Oil** : Not classed as a hazardous product.

#### **04. FIRST AID MEASURES**

<b>4.1 Description of first aid measures</b>	
Inhalation	Remove affected person to fresh air. Seek medical attention if any discomfort continues.
Ingestion	Rinse mouth with plenty of water and provide fresh air. Seek medical attention if any discomfort continues.
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 if irritation continues.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
No additional data available.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
No additional data available.	

#### **05. 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>	
None.	
<b>5.3 Advice for firefighters</b>	
Closed containers may build up pressure when exposed to heat and should be cooled with water spray. Self contained breathing apparatus and full protective clothing must be worn in case of fire. Avoid inhalation of hot vapours.	

#### **06. ACCIDENTAL RELEASE MEASURES**

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Maintain good occupational and personal hygiene. 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.	
<b>6.4 Reference to other sections</b>	
None.	

#### **07. 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.	
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
Store in tightly closed original container, in a cool (max room temperature) dry & ventilated area away from	

heat sources and sources of ignition. Protect from freezing and direct sunlight. Keep air contact to a minimum. Intrusion into the soil to be avoided.

### 7.3 Specific end use(s)

No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

None.

### 8.2 Exposure controls

#### Protective Equipment



Goggles



Gloves



Overalls

Process Conditions	No special measures required.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Ensure area is well ventilated.
Hand Protection	No special measures required. Gloves may be worn.
Eye Protection	No special measures required. The use of safety glasses is recommended, especially if handling hot oil.
Other Protection	No special measures required.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	No special measure required.
Skin Protection	Wear protective clothing and glasses to prevent skin contact, especially when handling hot oil.
Environmental Exposure Controls	Avoid discharging into drainage water.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Mobile clear liquid, pale to light yellow.
Colour	Pale to light yellow.
Odour	Characteristic.
Relative Density	0.911 - 0.918 @ 20°C
Flash Point (°C)	> 200
Refractive Index	1.466 - 1.470 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	> 350
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.

### 9.2 Other information

No additional data available.

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>
It presents no significant reactivity hazards, by itself or in contact with water. Prolonged contact with air can slowly lead to a degree of oxidation with the liberation of free fatty acids.
<b>10.2 Chemical stability</b>
Generally stable, becomes rancid on prolonged exposure to air. Formation of free fatty acids. It presents no significant reactivity hazards, by itself or in contact with water.
<b>10.3 Possible hazardous reactions</b>
No additional data available.
<b>10.4 Conditions to Avoid</b>
Avoid storage temperatures of above 25°C.
<b>10.5 Incompatible materials</b>
Avoid contact with strong acids, alkalis and oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>
Product does not decompose at proper handling. Liable to cause smoke & acid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

**11. TOXOLOGICAL INFORMATION**

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	Not a hazardous material.
Skin corrosion / irritation	No negative impact expected at normal usage levels.
Serious eye damage / irritation	Should not occur. Wash out oil splashes with sterile water. Consult a doctor if adverse reactions occurs.
Respiratory or skin sensitisation	Should not occur at normal usage levels.
Germ Cell Mutagenicity	Not mutagenic.
Carcinogenicity	Not carcinogenic.
Reproductive toxicity	Not a reprotoxicant.
STOT-single exposure	Should not negatively impact.
STOT-repeated exposure	Should not negatively impact.
Aspiration hazard	Should not negatively impact under normal usage conditions.
Photo-toxicity	Not photo-toxic.
Other Information	No additional data available.

**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>
Low, but large spills should be avoided and contained.
<b>12.2 Persistence &amp; degradability</b>
Fully Biodegradable in small amounts.
<b>12.3 Bioaccumulation Potential</b>
Low.
<b>12.4 Mobility in soil</b>
No additional data available.
<b>12.5 Results of PBT and vPvB Assessment</b>
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 at an authorised disposal facility according to local authority guidelines. Product remainders should not intrude soil or waters.

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

UN No. Road	Not regulated for transport.
UN No. SEA	Not regulated for transport.
UN No. AIR	Not regulated for transport.

**14.2 UN proper shipping name**

Not regulated for transport.

**14.3 Transport hazard class(es)**

Not regulated for transport.

**14.4 Packing group**

No additional data available.

**14.5 Environmental hazards**

No additional data available.

**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**

No additional data available.

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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendment

**15.2 Chemical safety assessment**

No additional data available.

**16. OTHER INFORMATION**

Hazard and/or Precautionary Statements in Full	None.
Other Information	None.

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