

1. Identification of the substances / mixture and of the company/undertaking.			
1.1 Product identifier:			
Substance name:			
Biological Definition: Macadamia Ternifolia Seed Oil is the fixed oil obtained from the nuts of the Bushnut, Macadamia Ternifolia, Proteaceae.			
INCI Name: Macadamia Ternifolia Seed Oil		Product Name: Macadamia Refined Oil	
Synonyms & Trade Names			
EC NO: Not listed		CAS NO: 128497-20-1 / 129811-19-4	EINECS CAS Number: Not listed
Index No:		Reach Registration No: Exempt	
1.2 Relevant identified uses of the substance or mixture and uses advised against			
Identified uses:			
Uses advised against:			
1.3 Details of the supplier of the safety data sheet			
Company		Penny Price Aromatherapy Ltd	
		Unit D3 Radius Court	
		Maple Drive	
		Hinckley	
		Leicestershire LE10 3BE	
Email		info@penny-price.com	
1.4 Emergency Telephone Number		00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999	

2. Hazards Identification	
2.1 Classification of the substance or mixture	
Classified according to Regulation (EC) 1272/2008 (CLP)	
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:	
GHS Label	No additional data available
Signal Word.	No additional data available
Hazard statements.	No additional data available
Precautionary statements.	No additional data available
Supplementary Precautionary Statements:	No additional data available
Section 16 (Other Information): Hazards & precautions phrases in full.	
2.3 Other hazards – Results of PBT and 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. 1 Composition / information on ingredients:			
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE

Substances	Not applicable
3.2 Mixtures	Not applicable

4. First Aid Measures	
4.1 General	
Inhalation	No measure, being a non-toxic product.
Eye contact	Not expected with this type of product.
Skin contact	No measure, being a non-toxic product
Ingestion	No instruction as this is a non-toxic product.
4.2 Most important symptoms and effects, both acute and delayed:	
No additional data available.	
4.3 Indication of any immediate medical attention and special treatment need	
No additional data available.	
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Foam, CO2, Dry chemical powder
Unsuitable extinguishing media:	Water
5.2 Special hazards arising from the substances or mixture: None	
Hazardous combustion products:	The product may only form ignitable mixtures or burn above the flash point. Dangerous combustion products include smoke and oxides of carbon.
5.3 Advice for firefighters	Standard. Wear self-contained breathing apparatus in confined spaces.
6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures:	
6.1.1 For non-emergency personnel	
Protective equipment:	Personal precautions: No special precautions required.
Emergency procedures:	
6.1.2 For Emergency responders	
6.2 Environmental precautions	No special precautions required.
6.3 Methods for cleaning up –	Small spills and residues may be absorbed with material such as cloth or sawdust, washed away with water and cleaned with sodic products.
6.3.1 For containment:	
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	Refer and consider sections 8 and 13.
7. Handling and storage	
7.1 Precautions for safe handling: No additional data available.	
Protective measures:	
Measures to prevent fire:	
Measures to prevent aerosol and dust generation:	

Measures to protect the environment:	
Advice on general occupational hygiene:	
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	
Packaging Materials:	
Requirements for storage and vessels:	
Storage Class: Further information on storage containers:	Should be kept in containers out of direct sunlight in cool dry conditions at a temperature not exceeding 25°C. Keep in the original containers or in plastic or plastic-coated containers. Limit oxygenation (contact with air).
7.3 Specific end use(s).	No additional data available.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
8.1 Control parameters	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
8.2 Exposure controls	
Process Conditions	No additional data available.
Engineering Measures	No additional data available.
8.2.2 Personal Protection equipment : Safety goggles, gloves	
8.2.2.1 Eye / face protection	Wear protective gloves/eye protection/face protection
8.2.2.2 Skin Protection	No additional data available.
Hand protection	Wear protective gloves/eye protection/face protection
Other skin protection	No additional data available.
Hygiene measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
8.2.2.3 Respiratory protection	No additional data available.
Ventilation	
8.2.2.4 Thermal hazards	
8.2.3 Environmental exposure controls	No additional data available.

9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	
Colour	Light yellow
Appearance	Clear mobile liquid
Odour	Characteristic
Melting Point / freezing point	No data
Boiling point /Initial boiling point & boiling range	> 100°C
Flammability	
Lower and upper explosion limit	

Flash point °C	>270°C
Auto- ignition temperature	No Data
Decomposition temperature	
pH	
Kinematic Viscosity	
Solubility in Water @ 20°C	Insoluble
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	No Data
Density and /or relative density	
Relative Density @ 20°C	0.905 – 0.930
Particle characteristics	
Explosive Properties	
Oxidising Properties	
9.2 Other information	No additional data available
Specific gravity	
Optical rotation @ 20°C	
Refractive index	1.465 – 1.472
Typical analysis of major components	

10. Stability and reactivity	
10.1 Reactivity	Stable under normal circumstances.
10.2 Chemical Stability	Stable under normal temperature conditions.
10.3 Possibility of hazardous reactions:	None under normal use conditions.
10.4 Conditions to avoid:	High temperature warehousing, heating at more than 60°C.
10.5 Incompatible Materials:	Concentrated acids, alkalis and oxidising agents.
10.6 Hazardous Decomposition Products	The product does not decompose under normal conditions. In fire conditions a complex mixture of irritating fumes and smoke will be evolved.

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Information on Toxicological Effects	
Acute toxicity:	No additional data available
Skin corrosion /irritation:	No additional data available
Seriously eye damage/irritation:	No additional data available
Respiratory or skin sensitisation:	No additional data available
Germ cell mutagenicity:	No additional data available
Carcinogenicity:	No additional data available
Reproductive toxicity:	No additional data available
Summary of evaluation of the CMR properties:	

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	No additional data available

12. Ecological information	
12.1 Toxicity	Low
12.2 Persistency & degradability	> 90% (OECD)
12.3 Bio accumulative potential	None
12.4 Mobility in soil	Low
12.5 Results of PBT and vPvB Assessment	None
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	No additional data available.

13. Disposal considerations	
13.1 Waste treatment methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Dispose of contents / container in accordance with local / regional / national / international regulations.

14. Transport information	
14.1 UN Number or ID number; (Road) (Sea) (Air)	Not regulated
14.2 UN proper Shipping name	None
14.3 Transport hazard class(es)	None
14.4 Packing group	None
14.5 Environmental hazards	None
14.6 Special precautions for user	No additional data available.
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	
EU Directives	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 amendments.
15.2 Chemical Safety Assessment	No additional information available.

16. Other information

(i) **Indication of Changes: Revised Safety Data Sheet Format:** From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.

Complies with REACH guidance for SDS as circulated by ECHA 2011.

(ii) **Abbreviations and acronyms:**

Hazard and /or Precautionary Statements in Full: None

(iii) **Key Literature references and sources of date.**

(iv) **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

Classification according to Regulation (EC) 1272/2008(CLP)	Classification procedure
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	Minimum 12 months when stored in the advised conditions.

QC requirements

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

Disclaimer:

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 date supplied without warranty, expressed, or implied, regarding its 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.