



Material Safety Data Sheet

EU Regulation: 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identification

Product Name	MACADAMIA, BUTTER				
Biological Definition	N/A				
INCI Name	MACADAMIA INTEGRIFOLIA SEED OIL & HYDROGENATED VEGETABLE OIL & TOCOPHEROL				
Synonyms & Trade Names	MACADAMIA BUTTER				
Internal Product Code	K0269				
CAS-No	438545-25-6; 159518-86-2 & 68334-28-1 & 59-02-9	EC No.	NOT LISTED & 269-820-6 & 200-412-2	EINECS No.	NOT LISTED & 269-820-6 & 200-412-2

1.2 Details of the supplier of the safety data sheet

Company Address	O&3 Unit 2, Athelstan Business Park, Hanwell Lane, Hutton Conyers, Ripon, HG4 5BF, England.
Email	technicalcrew@Oand3.com

1.3 Details of the supplier of the safety data sheet

Emergency Contacts	(07968 200167)
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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture	
Classification (67/548/EEC)	This product is not dangerous according to REACH Regulation 2020/878.
Classification (EU 1272/2008)	This product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 & any further amendments, nor to those having recognized exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills can constitute a slippage hazard.
2.2 Label Elements	
GHS Label	None.
Signal Word	None.
Contains	None.
Hazards Statement	None.
Signal Word	None.
Precautionary Statements	None.
Supplementary Precautionary Statements	None.
Section 16 (Other Information): Risk & Safety phrases in full.	
2.3 Other Hazards	
Adverse physio-chemical properties	None.
Adverse effects on human health	None.
SECTION 3: Composition of Ingredients	
3.1 Substances	Not Applicable.
3.2 Mixtures	Not Applicable.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures	
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General Information	Always remove contaminated clothing immediately.
Inhalation	Not expected for this particular product, however always best avoiding proactive inhalation.
Ingestion	No instruction as this is a non-toxic product.
Skin Contact	No instruction as this is a non-toxic product.
Eye Contact	Wash immediately & thoroughly with clean tap water.
4.2 Most important symptoms & effects (Acute & Delayed)	None.
4.3 Indication of any immediate medical attention or special treatment required	Not Applicable.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing material	Foam, Co2, Dry Chemical Powder.
5.2 Special hazards arising from the substance Or mixture	This product may only form ignitable mixtures or burn above the flash point. Dangerous combustion products include smoke & oxides of carbon.
5.3 Advice for fire-fighters	Standard. Wear self-contained breathing apparatus in confined spaces.

SECTION 6: Accidental Release Measures

6.1 Personal precautions	None Required.
6.2 Environmental precautions	None Required.
6.3 Methods & material for containment and cleaning up	Spills can be absorbed by cloth or sawdust, washed away with water & cleaned with sodic products.
6.4 References to other sections	Refer & consider section 8. Refer & consider section 13.

SECTION 7: Handling & Storage

7.1 Precautions for safe-handling	Handle in accordance with good hygiene and safety practice. Keep containers sealed when not in use. Prevent spills & leaks to avoid slip hazard. Always wear personal protective clothing (refer to section 8). Do not eat, drink, sniff or smoke whilst handling this product. Provide suitable mechanical equipment for the safe handling of drums & heavy packages.
7.2 Conditions for safe storage, including any incompatibilities	Keep the product container tightly closed, in a dry, ventilated area (at temperatures <20°C). Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.
7.3 Specific end use(s)	No Data.

SECTION 8: Exposure Controls & Personal Protection

8.1 Control Parameters	None.
8.2 Exposure Controls	
Eye Protection	Not required as a non-toxic product, however we still recommend taking precautions by wearing protective eye-wear when handling the product.
Hand Protection	None.
Respiratory Equipment	None.
Hygiene Measures	None.

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Engineering Measures None.

SECTION 9: Physical & Chemical Properties

9.1 Physical & Chemical Properties

Appearance SOLID – SOFT BUTTER

Colour OFF WHITE – IVORY

Odour ODOURLESS

Relative Density NO DATA

Flash Point (°C) >280°C.

Refractive Index NO DATA

Melting Point (°C) 50.0 – 60.0

Boiling Point (°C) >100°C.

Vapour Pressure NO DATA.

Solubility in Water @ 20°C INSOLUBLE.

9.2 Other Information

NO DATA.

9.2.1 Information with regard to physical hazard classes

NONE.

9.2.2 Other safety characteristics

NONE.

SECTION 10: Stability & Reactivity

10.1 Reactivity

Not Applicable.

10.2 Chemical stability

Stable under suggested storage conditions (<20°C).

10.3 Possibility of hazardous reactions

No.

10.4 Conditions to avoid

Storage at high temperatures. Do not store above 20°C.

10.5 Incompatible materials

Concentrated acids, alkalis & oxidising agents.

10.6 Hazardous decomposition products

This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke.



SECTION 11: Toxicological Information

11.1

Toxicological effects

Acute Toxicity	A non-toxic product. For pharmaceutical & cosmetic use only. This product does not carry a microbiological specification as it is sterilised in the refining process. It does not contain any impurities. This product is not included in the list of substances prohibited in cosmetic products or subject to restrictions. It does not contain colorants, preservatives or UV filters (Annex II – VI of EU regulation 1223/2009).
Skin irritation	Not Applicable.
Eye damage or irritation	Not Applicable.
Respiratory or skin sensitivity	Not Applicable.
Germ cell mutagenicity	Not Applicable.
Carcinogenicity	Not Applicable.
Reproductive toxicity	Not Applicable.
STOT – single exposure	Not Applicable.
STOT – repeated exposure	Not Applicable.
Aspiration hazard	Not Applicable.
11.2	
Information on other hazards	Not Applicable.

SECTION 12: Ecological Information

12.1	
Toxicity	Low - None.
12.2	
Persistence & degradability	>90% (OECD)
12.3	
Bio- accumulative potential	None.
12.4	
Mobility in soil	Low – None.
12.5	
Results of PBT & VPVB assessment	Not Available.
12.6	
Endocrine disrupting properties	None.
12.7	
Other adverse effects	None.

SECTION 13: Disposal Information

13.1	
Waste treatment methods	Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

SECTION 14: Transport Information

14.1

Transport Information

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Warning icon	Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO), transport not restricted in drums or food tankers.
Shipping Name	Not Applicable.
UN Number (Road)	Not Applicable.
ADR Class	Not Applicable.
Hazard Number (ADR)	Not Applicable.
Hazchem Code	Not Applicable.
UN Number (Sea)	Not Applicable.
IMDG Class	Not Applicable.
IMDG Pack GR.	Not Applicable.
EMS	Not Applicable.
UN Number (Air)	Not Applicable.
Air Class	Not Applicable.
Air Pack GR.	Not Applicable.
Maritime transport in bulk according to IMO instruments	Not Applicable.

SECTION 15: Regulatory Information

15.1

Product specific safety, health & environmental regulations & legislation

EU Directives	Regulation (EC) No 2020/878 of the European Parliament and of the council of 18 th December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing council regulation (EEC) No793/93 & commission regulation (EC) No1488/94 as well as council directive 76/769/EEC & commission directive 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).
Statutory Instruments	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).
Approved Code of Practice	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
Guidance Notes	Workplace exposure limits EH40. CHIP for everyone HSG 108.
15.2 Chemical Safety Assessment	Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: Other Information

Allergens:	Nut / Nut Oil.
Training Instructions: Refer to possible hazard before use of this product.	

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Abbreviations & Acronyms:	
MSDS	Material Safety Data Sheet.
INCI	International Nomenclature of Cosmetic Ingredients.
CAS	Chemical Abstract Service.
IMDG	International Maritime code for Dangerous Goods.
ADR	Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).
RID	International Carriage of Dangerous Goods by Rail.
ICAO	International Civil Aviation Organization.
ADN	International Carriage of Dangerous Goods by Inland Waterways.
GHS	Globally Harmonized System of classification & labelling of chemicals.
Trem Card	Transport Emergency Card.
STOT	Specific Target Organ Toxicity.

Documentation Revision

Date	Change Description
10 th April 2018	Data Launch
December 2020	Review
27 February 2023	Review

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