

# AKÖMA™

## FROM THE HEART

### MATERIAL SAFETY DATA SHEET

#### 1 - Identification of Product and Supplier

Product Name: **Macadamia Butter**  
Supplier: **Akoma International (UK) LTD**  
Unit 9A Sawley Park  
Nottingham Road  
Derby  
DE21 6AS  
Tel: +44 (0) 1332 613 967  
Emergency Contact: Mr. Wynn Mensah – Tel: 01332 613 967

#### 2 - 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: **Macadamia Ternifolia Seed Oil, Hydrogenated Vegetable Oil – Butyrospermum Parkii Butter - Tocopherol**  
Chemical composition: Macadamia Butter is produced by blending natural fractions of macadamia oil with hydrogenated vegetable oil and shea butter using chemical free hydrogenation and by thin film distillation. A tocopherol is then added to the blend to provide extended shelf life.  
CAS No: 128497-20-1/68334-28-1/91080-23-8/10191-41-0  
EINECS No: N/A /269-820-6/293-515-7/233-466-0  
Chemical composition: Triglycerides of vegetable origin

#### 3 - Hazards identification:

Non hazardous

#### 4 - First aid measures:

Ingestion: Not considered dangerous. In high dosage, seek medical attention.  
Skin contact: Wash with plenty of soap and water.  
Eye contact: Flush eyes with plenty of water. Seek medical attention if any irritation persists.

## 5 - Fire - Fighting measures:

<u>Suitable extinguishing media:</u>	Dry powder, CO2, foam, sand.
<u>Special risks</u>	None identified.
<u>Special precautions for fire fighting:</u>	Use self contained breathing apparatus in conditions of thick smoke. Cool containers at risk with water spray jet.

## 6 - Accidental release measures:

<u>Individual precautions:</u>	Wear protective clothing.
<u>Environmental precautions:</u>	Do not discharge into drains, surface water, ground water.
<u>Clean up procedure:</u>	Recuperate the spilled product. Wash with water and detergent. Recuperate all material in a suitable container for disposal.

## 7 - Handling and storage:

<u>Handling:</u>	Observe good industrial hygiene practices. Wear gloves, eye protection and protective clothing.
<u>Storage:</u>	Store in a cool dry place in unopened containers. Do not expose containers to source of heat.
<u>Shelf life:</u>	12 Months from the date of manufacture

## 8 - Exposure controls and personal protection:

<u>Personal protection in ventilated atmospheres:</u>	None
<u>Personal protection in confined atmosphere:</u>	Aspiration in the case of formation of fogs; aprotective screens, for operations being able to cause stains.
<u>Personal protection equipment:</u>	Clothing with long sleeves and gloves felt-like and resistant to mineral oils.
<u>Hygiene measure:</u>	No eating, drinking or smoking with the hands soiled by the product. Wash the hands before going to the toilets. Not drying the hands with dirty or greasy rags. Change clothes if they are impregnated and in any case at the end of work. Wash itself with water and soap; not to use irritating products or solvents which pickle the sebaceous coating of the skin.

## 9 - Physical data and chemical properties:

<u>Appearance at 20°C:</u>	Solid pasty
<u>Colore:</u>	Yellowish
<u>Melting Temperature(°C):</u>	38 – 48
<u>Boiling point(°C):</u>	N/A
<u>Solubility in water:</u>	Insoluble
<u>Solubility in solvents:</u>	Soluble
<u>Flash point (in closed vase) (°C):</u>	> 200
<u>Explosive property:</u>	None
<u>Comburenti property:</u>	None
<u>Density:</u>	~ 0.9 g/cc

## 10 - Stability and Reactivity:

<u>Conditions to avoid:</u>	No hazardous reactions identified. Product becomes rancid on extended exposure to air.
<u>Material to avoid:</u>	Strong bases: the mixture with such substances generates exothermic reactions of hydrolysis
<u>Thermic decomposition:</u>	Can engender gaseous substances as the volatile carbon monoxide or the hydrocarbons.
<u>Dangerous reactions:</u>	Dangerous reactions are not noted.
<u>Stability:</u>	Stable product
<u>Other information:</u>	Do not give place to polymerizations. Not to put in contacts with free oxigene.

## 11 - Toxicological information:

<u>LD 50(Oral, rat):</u>	n.d.
<u>Irritations:</u>	n.d.
<u>Skin of the rat:</u>	n.d.
<u>Eyes of the rat:</u>	n.d.
<u>Acute effects:</u>	None
<u>Sensitizing:</u>	No determinate
<u>Toxicological data later:</u>	On the basis of information and our experiment available the product is not harmful for health if it is handled correctly and used in accordance with the standards. The substance does not have the obligation of classification on the basis of list of the C.E.E.

## 12 - Ecological information:

<u>Ecotoxicity:</u>	The substance while being insoluble oil could if it is versed in great quantity, harm the marine ecosystem while preventing by the formation of a surface layer, the right oxigenation of the water of its flora and its fauna.
<u>Solubility in water:</u>	None
<u>COD:</u>	Not available
<u>BOD:</u>	Not available
<u>Persistence and degradability:</u>	Preparation Biodegradable, in phase of decomposition they do not develop dangerous matters. To use in the second place good technique of work, while avoiding dispersing the product in the natural environment.

## 13 - Disposal considerations:

<u>Elimination of the product:</u>	To conform to the local legislation in vigour as regards refusal not dangerous
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## 14 - Transport information:

No particularly precautions  
Preparation not subject with the classification according to rules' IMDG (waysea) - ADR (wayroad) - RID (railway) - ICAO/IATA (airway)

## 15 - Regulatory information:

<u>Labelling:</u>	No disposition
<u>Other information:</u>	None
<u>Classification following directive the EEC:</u>	Substance does not have the obligation of classification on the basis of literary source or Community list other available. In the handling of chemicals to observe usual measurements of precaution.

## 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: 08.05.15