



## CERTIFICATE OF ANALYSIS

PRODUCT DETAILS		
Product Name	KOKUM BUTTER	
Product Code	BUTTKOKU	
INCI Name	Garcinia Indica Seed Butter	
Batch Number	4350910	
Best Before End	February 2021	
Identification	CAS No: NA	EINECS No: NA
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGE	RESULTS
Appearance	Semi solid	Conforms
Colour	Creamy beige to yellow to pale cream	Conforms
Odour	Characteristic	Conforms
Flash Point	>200°C	Conforms
Acid Value (mgKOH/g)	<15.0	5.7
Free Fatty Acid (% as Oleic)	<7.0	2.85
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	When stored for more than 24 months, quality should be checked before	

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. **It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.**





**Product: Kokum Butter**

**Product Code: BUTTKOKO**

**INCI Name: Garcinia Indica Seed Butter**

**Fragrance Allergens**

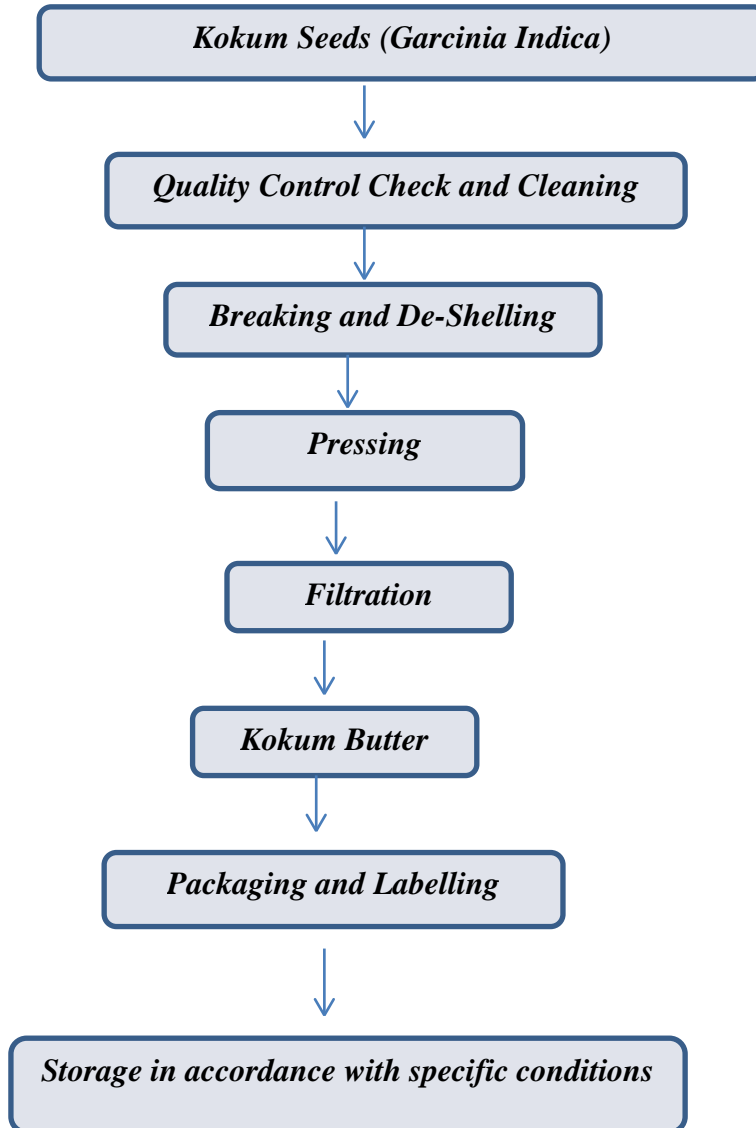
From The 7th Amendment to the Cosmetic Directive of the European Union (EU) – Annex III 26 Fragrance Allergens

<u>Annex III Ref:</u>	<u>Material:</u>	<u>CAS No:</u>	<u>Total Allergen Inclusion Level (%)</u>
67	AMYL CINNAMAL	122-40-7	0.0
68	BENZYL ALCOHOL	100-51-6	0.0
69	CINNAMYL ALCOHOL	104-54-1	0.0
70	CITRAL	5392-40-5	0.0
71	EUGENOL	97-53-0	0.0
72	HYDROXYCITRONELLAL	107-75-5	0.0
73	ISO EUGENOL	97-54-1	0.0
74	AMYL CINNAMYL ALCOHOL	101-85-9	0.0
75	BENZYL SALICYLATE	118-58-1	0.0
76	CINNAMAL	104-55-2	0.0
77	COUMARIN	91-64-5	0.0
78	GERANIOL	106-24-1	0.0
79	HYDROXYISOHEXYL 3-CLYCLOHEXENE CARBOXALDEHYDE	31906-04-4	0.0
80	ANISE ALCOHOL	105-13-5	0.0
81	BENZYL CINNAMATE	103-41-3	0.0
82	FARNESOL	4602-8-0	0.0
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.0
84	LINALOOL	78-70-6	0.0
85	BENZYL BENZOATE	120-54-4	0.0
86	CITRONELLOL	106-2-9	0.0
87	HEXYL CINNAMAL	101-86-0	0.0
88	LIMONENE	5989-27-5	0.0
89	METHYL 2-OCTYNOATE	111-12-6	0.0
90	ALPHA-ISOMETHYL IONONE	127-51-5	0.0
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0.0
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0.0





## KOKUM BUTTER FLOW CHART







SAFETY DATA SHEET  
KOKUM BUTTER

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

1.1. Product identifier

Product name                      KOKUM BUTTER  
Synonyms; trade names        Garcinia Indica Seed Butter  
EC number                         283-480-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses                    Component of: Food and Cosmetic Products.

1.3. Details of the supplier of the safety data sheet

Supplier  
19 Sandleheath Industrial Estate,  
Fordingbridge,  
Hampshire,  
SP6 1PA  
Tel: 01425 655555

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards                 Not Classified  
Health hazards                    Not Classified  
Environmental hazards         Not Classified

2.2. Label elements

EC number                         283-480-6  
Hazard statements                NC Not Classified

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name                    KOKUM BUTTER  
EC number                         283-480-6

**SECTION 4: First aid measures**

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information	None known.
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4.3. Indication of any immediate medical attention and special treatment needed

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media	Use as appropriate carbon dioxide (CO <sub>2</sub> ), dry chemical or foam
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container.
Hazardous combustion products	Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting	Do not inhale explosion and/or combustion gases. Use self contained breathing apparatus.
Special protective equipment materials. for firefighters	Use protective equipment appropriate for surrounding

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Avoid contact with skin and eyes.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

**KOKUM BUTTER**

Methods for cleaning up	Land Spill: Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water. Gather product mechanically if possible. Bind remaining product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13. Water Spill: Confine the spill immediately with booms. Warn other
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ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.

## 6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Handle all packages and containers carefully to minimise spills. Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Intrusion into soil to be avoided. Store product in cool (max at room temperature) and well ventilated environment and keep 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. 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



#### Personal protection

	Use personal protection according to Directive 89/686/EEC
Eye/face protection	Approved safety goggles.
Hand protection	Wear protective gloves.
Other skin and body protection	No specific requirements are anticipated under normal conditions of use.
Hygiene measures	Good personal hygiene procedures should be implemented.
Respiratory protection	No specific recommendations.
Environmental exposure controls	Avoid discharging into drains.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Soft fat
Colour	Cream. Beige. to Yellow. to Pale Cream.
	<b>KOKUM BUTTER</b>
Odour	Characteristic.
Melting point	28.0 - 34.0°C
Flash point	>200°C
Solubility(ies)	Insoluble in water. Soluble in oil and ethanol

### 9.2. Other information

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Reactivity                                      Oxidation with atmospheric oxygen. Formation of free fatty acids.

10.2. Chemical stability

Stability                                        Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions        Reacts with oxidants.

10.4. Conditions to avoid

Conditions to avoid                            Keep away from heat sources, open flames and sunlight.

10.5. Incompatible materials

Materials to avoid                            Avoid contact with strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products        Does not decompose when used and stored as recommended.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Toxicological effects                        Vegetable oil of natural origin. Non toxic product; LD50s and LC50s not determined.

Skin corrosion/irritation

Skin corrosion/irritation                    Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation            In compliance with generally accepted uses and quantities no negative impacts are to be expected.

Respiratory sensitisation

Respiratory sensitisation                    In compliance with generally accepted uses and quantities are no negative impacts to be expected.

Carcinogenicity

Carcinogenicity                                There is no expected negative impact.

Reproductive toxicity

Reproductive toxicity - fertility            Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure                      No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure                  No information available.

Aspiration hazard

Aspiration hazard                            No information available.

SECTION 12: Ecological Information

Ecotoxicity                              The product is not expected to be toxic to aquatic organisms.

KOKUM BUTTER

12.1. Toxicity 12.2. Persistence and degradability

Persistence and degradability      The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential          No data available on bioaccumulation.

12.4. Mobility in soil

Mobility                                  No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment      No data available.

12.6. Other adverse effects

Other adverse effects                  Avoid discharge into drains or watercourses or onto the ground.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information                  Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

General                                  The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code      Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

KOKUM BUTTER

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) (as amended).

Guidance                              CHIP for everyone HSG228.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



## PRODUCT SPECIFICATION

Date: 20 April 2016

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Product **KOKUM BUTTER**

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CAS No: 194043-92-0  
EC Number: 293-515-7  
IFRA: No restricted materials  
Fragrance Allergens: None  
INCI NAME: Garcinia Indica Seed Butter

Description: Kokum Butter is the fat obtained via pressing the seed of Garcinia Indica, Hypericaceae

Appearance: Semi sold creamy mass off white to yellow in colour.

Odour: Mild / fatty, free from rancid and foreign odours.

Acid Value: <15.0

Iodine Value: 48 – 73

Saponification Value: 165 – 200

Melting Point: 37 – 44 deg c

Refractive Index nD20: 1.455 – 1.470

Storage: Store product in full, tightly closed containers in a cool dry place.  
Stability:

When stored for more than 24 months quality should be checked before use.

The analytical values are subject to change as common with natural and nature identical products.  
These statements do not release the buyer from the duty of his own controls



# Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	KOKUM BUTTER
Cas No:	N/A
EINECS No:	N/A
STATEMENT	
<p>We, MADAR Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	

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