PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>MURUMURU BUTTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>BUTTMURU</td>
</tr>
<tr>
<td>Batch Number</td>
<td>4396201</td>
</tr>
<tr>
<td>Best Before End</td>
<td>MAY 2023</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Identification</th>
<th>CAS No: NA</th>
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<tbody>
<tr>
<td></td>
<td>EINECS No: NA</td>
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</table>

PHYSICAL AND CHEMICAL CHARACTERISTIC

<table>
<thead>
<tr>
<th>SPECIFICATION RANGE</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Solid fat, may liquefy</td>
<td>Conforms</td>
</tr>
<tr>
<td>Colour</td>
<td></td>
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<td>Off-white to Yellow</td>
<td>Conforms</td>
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</tr>
<tr>
<td>Characteristic</td>
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</tr>
<tr>
<td>Relative Density @ 20°C</td>
<td>NA</td>
</tr>
<tr>
<td>Melting Point °C</td>
<td></td>
</tr>
<tr>
<td>Acid Value (mgKOH/g)</td>
<td>≤ 30.0</td>
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<td>Solubilities</td>
<td></td>
</tr>
<tr>
<td>Insoluble in Water</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Conforms</td>
</tr>
</tbody>
</table>

STORAGE AND SHELF LIFE

| Storage                     | Store in a tightly closed container with minimum headspace in a cool, dark and dry place. |
|                            |                                                     |
| Shelf Life                 | 24 Months unopened and stored as above.               |

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SAFETY DATA SHEET
MURUMURU BUTTER

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

1.1. Product identifier
Product name: MURUMURU BUTTER
Product number: BUTTMURU
Synonyms; trade names: ASTOCARYUM MURUMURU SEED BUTTER

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Industrial, only for professional use

1.3. Details of the supplier of the safety data sheet
Supplier: MADAR Corporation Limited
19-20 Sandleheath Industrial Estate
Fordingbridge
Hampshire
SP6 1PA

Tel. +44 1425 655555 (Opening Hours 9am - 5pm)
e-mail sales@madarcorporation.co.uk

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
Hazard statements: NC Not Classified

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
Product name: MURUMURU BUTTER
MURUMURU BUTTER

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact: Wash skin thoroughly with soap and water or use an approved skin cleanser. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Eye contact: Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information: No further information available at this time.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor: No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use as appropriate carbon dioxide (CO2), dry chemical or foam

Unsuitable extinguishing media: For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Closed containers may build up pressure at elevated temperatures.

5.3. Advice for firefighters

Protective actions during firefighting: Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water.

Special protective equipment for firefighters: Wear full protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Wash thoroughly after dealing with a spillage. Treat the spilled material according to the instructions in the clean-up section.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Collect material mechanically, placing in appropriate containers for disposal. Never return spills in original containers for re-use. Wash spill site after material pick up is complete.

6.4. Reference to other sections
MURUMURU BUTTER

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions  Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Avoid inhalation of dust and vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not empty into drains. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions  Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment

Appropriate engineering controls  Provide eyewash station Provide adequate ventilation.

Personal protection  Use personal protection according to Directive 89/686/EEC

Eye/face protection  Approved safety goggles.

Hand protection  Chemical resistant gloves (PVC)

Other skin and body protection  Wear apron or protective clothing in case of contact.

Hygiene measures  Good personal hygiene procedures should be implemented.

Respiratory protection  Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls  Avoid discharging into drains. Do not release into the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance  Solid fat, may liquefy.

Colour  Off-white. to Yellow.

Odour  Characteristic.

Melting point  27.0 - 36.0°C

Solubility(ies)  Insoluble in water.

9.2. Other information

Hydrocarbon Content
MURUMURU BUTTER

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity It presents no significant reactivity hazards, by itself or in contact with water.

10.2. Chemical stability
Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions No data available.

10.4. Conditions to avoid
Conditions to avoid No data available.

10.5. Incompatible materials
Materials to avoid Avoid contact with the following materials: Strong acids. Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products When heated to decomposition, it emits acrid smoke, fumes as well as monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects No data available.
Acute toxicity - oral Notes (oral LD₅₀) No information available.
Acute toxicity - dermal Notes (dermal LD₅₀) No information available.
Acute toxicity - inhalation Notes (inhalation LC₅₀) No information available.

SECTION 12: Ecological Information

12.1. Toxicity
Acute toxicity - microorganisms No data available.
Toxicity to soil No data available.

12.2. Persistence and degradability
Biodegradation Expected to be readily biodegradable.
Biological oxygen demand No data available.

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects
MURUMURU BUTTER

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains.

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.
# MURUMURU BUTTER

## SECTION 15: Regulatory information

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

**EU legislation**
- Dangerous Preparations Directive 1999/45/EC.

**Guidance**
- CHIP for everyone HSG228.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>21/12/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>2</td>
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<td>Supersedes date</td>
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**Product Specification**

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<tr>
<td><strong>Tariff Number</strong></td>
<td>15159040</td>
</tr>
<tr>
<td><strong>Synonym/ Trade Name</strong></td>
<td>Astrocaryum Murumuru Seed Butter</td>
</tr>
<tr>
<td><strong>Natural Status</strong></td>
<td>We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. This product does not contain any solvents or additives.</td>
</tr>
<tr>
<td><strong>Food Grade Status</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Kosher Certified</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Halal Certified</strong></td>
<td>Not Certified</td>
</tr>
<tr>
<td><strong>GMO Declaration</strong></td>
<td>To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.</td>
</tr>
<tr>
<td><strong>Manufacturing Process</strong></td>
<td>Please request Flowchart</td>
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<td><strong>Identification</strong></td>
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### FRAGRANCE ALLERGENS

NOT APPLICABLE

### FOOD ALLERGENS

NOT APPLICABLE

### IFRA

NOT APPLICABLE

### STORAGE AND SHELF LIFE

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<tr>
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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.

It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.

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.