



**CERTIFICATE OF ANALYSIS**

Product: Argan Oil, Refined  
Batch Number: 4378002  
Best Before End: November 2021

**Appearance (20°C):** Clear, yellow liquid  
**Odour:** Almost odourless

| TEST                                   | SPECIFICATION     | ANALYSIS |
|--|-------------------|----------|
| Free Fatty Acid Value (% as oleic)     | 3.0 maximum       | 0.1      |
| Iodine Value (gI <sub>2</sub> /100gr)  | 90 – 105          | 101      |
| Peroxide Value (meqO <sub>2</sub> /kg) | 5.0 maximum       | 0.8      |
| Saponification Value (mg KOH/gr)       | 190 – 200         | 192      |
| Unsaponifiable Matter (%)              | 1.5 maximum       | 0.5      |
| Specific Gravity @ 20°C                | 0.910 – 0.920     | 0.915    |
| Refractive Index @ 20°C                | 1.465 – 1.475     | 1.470    |
| Colour                                 | 50 Yellow maximum | 12       |
|  | 5.0 Red maximum   | 1.1      |

| FATTY ACID COMPOSITION (%) |             |      |
|----------------------------|-------------|------|
| C16:0 Palmitic             | 10.0 – 16.0 | 13.5 |
| C16:1 Palmitoleic          | 0.5 maximum | 0.2  |
| C18:0 Stearic              | 2.5 – 6.0   | 3.3  |
| C18:1 Oleic                | 45.0 – 55.0 | 51.7 |
| C18:2 Linoleic             | 26.0 – 35.0 | 29.1 |
| C18:3 Linolenic            | 1.0 maximum | 0.4  |



January 2018

### STATEMENT

We hereby state and certify that the Argan Oil, Refined, we supply you,

- As a highly refined oil, is Gluten and proteins free and doesn't contain other Tree nuts or Peanuts, nor other allergens listed in EU Directive 2007/68/EC;
- The above-mentioned product, when reviewed against the US FDA and EU EFSA allergens lists, is considered an allergens free product;
- The above-mentioned product does not contain any of the 26 allergens listed in the 7th Amendment (Directive 2003/15/EC) to the EU Cosmetics Directive 76/768/EEC;
- Doesn't contain impurities, doesn't contain any of the substances prohibited in cosmetic products or subjected to restrictions, or any allowed colorants, preservatives and UV filters (Annex II, IV, V and VI of EU Regulation 1223/2009);
- Doesn't contain any of the fragrance allergens which shall be indicated in the list of ingredients in addition to the terms "Parfum" or "Aroma" according to Art. 19, 1. (g) and Annex III of EU Regulation 1223/2009;
- Additionally, to the best of our knowledge, and on the basis of the information provided by our raw material suppliers and an understanding of our product's chemistry, no allergens are intentionally added or introduced during the manufacturing process.

## Manufacturing Flow Chart

|              |                    |
|--------------|--------------------|
| Product Name | Argan Oil, Refined |
| Date         | February 2019      |





**Document Date:**

**March 2018**

**STATEMENT**

We hereby certify that Argan Oil, Refined, is free of genetically modified materials and components. No ingredients, additives or processing aids of GM origin are used in the processing and purifying of the oil.



## MATERIAL SAFETY DATA SHEET

### 01. IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING

| 1:1-Product Identifiers:  |             |  |   |            |   |
|---------------------------|-------------|--|---|------------|---|
| Product name              |             | <b>Argan Oil, Refined</b>  |   |            |   |
| Biological Definition     |             | Oil obtained by expeller pressing from the seed of 'Argania spinosa' chemically refined, bleached and deodorized |   |            |   |
| INCI Name                 |             | 'Argania spinosa'  |   |            |   |
| Synonyms & Trade Names    |             | -  |   |            |   |
| Reach Registration Number |             | Exempt as per Annex IV and V according to EU regulation 1907/2006  |   |            |   |
| FEMA No.                  | -           | FDA No.  | - | CoE No.    | - |
| CAS-No                    | 223747-87-3 | EC No.   | - | EINECS No. | - |

| 1:2 – Relevant Identified Uses of the substance or mixture and uses advised against: |  |
|--|--|
| Identified Uses  | Raw material for cosmetic and pharmaceutical products  |
| 1:3 – Details of the supplier of the Safety data sheets.                             |  |
| Company Name   | <b>MADAR Corporation Limited</b><br>19-20 Sandleheath Industrial Estate<br>Fordingbridge<br>Hampshire, SP6 1PA<br>Tel: 01425 655555<br>Email: sales@madarcorporation.co.uk |
| 1:4 – Emergency Telephone number   |  |
| Contact telephone number   | 01425 655555   |

### 02. HAZARDS IDENTIFICATION

| 2:1 Classification of the substance or mixture      |  |
|---|--|
| Classification (1999/45)                            | Not classed as a hazardous substance   |
| Classification (EC 1272/2008)                       | The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 and further amendments, nor to those having recognised exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills constitute a slippage hazard |
| 2.2 – Label Elements                                |  |
| Label Elements in accordance with (EC) No 1272/2008 | None   |

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| 2:3 - Other hazards                    |                         |
|--|-------------------------|
| Signal Word                            | None                    |
| Contains                               | No hazardous substances |
| Hazard Statements                      | None                    |
| Precautionary Statements               | None                    |
| Supplementary Precautionary Statements | None                    |
| PBT or vPvB according to Annex XIII    | No                      |
| Adverse physio-chemical properties     | None                    |
| Adverse effects on human health        | None                    |

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

| 3:1 - Substances |   |
|------------------|---|
| Substances       | Naturally occurring vegetable oil obtained from the seed of <i>Argania spinosa</i> .<br>The oil may be in the crude or refined, bleached, and deodorized state. |
| 3:2 - Mixtures   |   |
| Mixtures         | No additional data available  |

### **04. FIRST AID MEASURES**

| 4:1 – Description of first aid measures                           |   |
|---|---|
| General Advice  | Remove contaminated soaked clothing immediately |
| Inhalation  | Not expected with this type of product.         |
| Ingestion   | No Measure, being a non-toxic product.          |
| Skin Contact  | No Measure, being a non-toxic product.          |
| Eye Contact   | Wash thoroughly with running tap water.         |
| 4:2 – Most important symptoms and effects, both acute and delayed |   |



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|  |                              |
|--|------------------------------|
| Symptoms and effects   | No additional data available |
| 4:3 – Indication of any immediate medical attention and special treatment needed |                              |
| Special requirements   | No specific recommendations. |

### **05. FIRE-FIGHTING MEASURES**

|   |   |
|---|---|
| 5:1 - Extinguishing Media                               |   |
| Suitable extinguishing Media                            | Foam, Carbon dioxide or dry powder.   |
| Unsuitable extinguishing Media-DO NOT USE               | Water   |
| 5:2 - Special Hazards arising from substance or mixture |   |
| Specific hazards  | 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                           |   |
| Special firefighting procedures/ protective actions.    | Standard. Wear self-contained breathing apparatus in confined spaces.   |

### **06. ACCIDENTAL RELEASE MEASURES**

|  |  |
|--|--|
| 6:1 - Personal Precautions, protective equipment and emergency procedures. |  |
| Personal precautions   | No special precautions required  |
| 6:2 - Environmental Precautions  |  |
| Environmental Precautions  | No special precautions required  |
| 6:3 – Methods and materials for containment and cleaning up                |  |
| Spill Clean Up Methods   | Small spills and residues may be absorbed with material such as cloth or sawdust, washed away with water and cleaned with sodic products. Larger spillage may be pumped. |



## MATERIAL SAFETY DATA SHEET

### 6:4 – Reference to other sections

|                             |   |
|-----------------------------|---|
| Reference to other sections | Section 8 – Exposure controls/ personal protection for further information on personal precautions,<br>Section 13 – Disposal considerations for further information on waste treatment. |
|-----------------------------|---|

### **07. HANDLING AND STORAGE**

#### 7:1 – Precautions for safe handling

|                   |   |
|-------------------|---|
| Usage precautions | Keep containers sealed when not in use. Prevent spills and leaks to avoid slip hazard. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. |
|-------------------|---|

#### 7:2 – Conditions for safe Storage including any incompatibilities

|                     |  |
|---------------------|--|
| Storage Precautions | Keep 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). |
| Suitable Packaging  | No additional data available   |

#### 7:3 – Specific end use (s)

|          |                              |
|----------|------------------------------|
| End Uses | No additional data available |
|----------|------------------------------|

### **08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8:1 – Control parameters

|  |   |
|--|---|
| Components with workplace control parameters | No particular protection measure is needed. |
|--|---|

#### 8:2 – Exposure controls

|                       |   |
|-----------------------|---|
| Protective Equipment  | No particular protection measure is needed. |
| Process conditions    | No particular protection measure is needed. |
| Engineering Measures  | No particular protection measure is needed. |
| Respiratory Equipment | No particular protection measure is needed. |



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|                                 |   |
|---------------------------------|---|
| Hand Protection                 | No particular protection measure is needed. |
| Eye Protection                  | No particular protection measure is needed. |
| Other Protection                | No particular protection measure is needed. |
| Hygiene Measures                | No particular protection measure is needed. |
| Personal protection             | No particular protection measure is needed. |
| Skin protection                 | No particular protection measure is needed. |
| Environmental exposure controls | No particular protection measure is needed. |

### **09. PHYSICAL AND CHEMICAL PROPERTIES**

|  |   |
|--|---|
| 9:1 - Information on basic physical and chemical properties. |   |
| Appearance   | Clear, pale yellow liquid at 20°C             |
| Colour   | Pale yellow                                   |
| Odour  | Almost odourless                              |
| Relative Density   | 0,908-0,918 gr/cm <sup>3</sup> at 20°C        |
| Flash Point (°C)   | >300°C  |
| Refractive Index   | No additional data available.                 |
| Melting Point (°C)   | No additional data available.                 |
| Boiling Point (°C)   | >100°C  |
| Vapour Pressure  | No additional data available.                 |
| Solubility in Water @20°C                                    | Insoluble in water, soluble in vegetable Oils |
| Auto-ignition temperature (°C)                               | No additional data available.                 |
| 9:2 - Other information                                      |   |
| Other Information  | No additional data available.                 |

### **10. STABILITY AND REACTIVITY**

|                  |
|------------------|
| 10:1- Reactivity |
|------------------|



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|  |  |
|--|--|
| Reactivity                                       | Stable under normal handling conditions  |
| <b>10:2 - Chemical stability</b>                 |  |
| Stability  | Chemically stable under the recommended handling and storage conditions  |
| <b>10:3 - Possibility of hazardous reactions</b> |  |
| Possible hazardous reactions                     | No additional data available.  |
| <b>10:4 - Conditions to avoid</b>                |  |
| Conditions to Avoid                              | High temperature warehousing, heating at more than 60°C (for cosmetic use)   |
| <b>10:5 – Incompatible materials</b>             |  |
| Incompatible materials                           | Strong oxidising agents, concentrated acids, and alkalis.  |
| <b>10:6 - Hazardous Decomposition Products</b>   |  |
| 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. TOXOLOGICAL INFORMATION**

|  |  |
|--|--|
| <b>11:1 Information on toxicological effects</b> |  |
| Acute Toxicity                                   | Non- toxic product, pharmaceutical and cosmetic use. Doesn't have any microbiological specification as it is sterilized in the refining process. Doesn't contain impurities. Not included in the list of substances prohibited in cosmetic products or subjected to restrictions, doesn't contain colorants, preservatives or UV filters (Annex II - VI of EU Regulation 1223/2009). |

### **12. ECOLOGICAL INFORMATION**

|   |             |
|---|-------------|
| <b>12:1- Toxicity</b>                         |             |
| Ecotoxicity                                   | Low         |
| <b>12:2 - Persistence &amp; degradability</b> |             |
| Persistence & degradability                   | >90% (OECD) |
| <b>12:3 - Bioaccumulative Potential</b>       |             |



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|   |                              |
|---|------------------------------|
| Bioaccumulative Potential                 | None                         |
| 12:4 – Mobility in soil                   |                              |
| Mobility                                  | Low                          |
| 12:5 – Results of PBT and vPvB assessment |                              |
| PBT Assessment Results                    | No additional data available |
| 12:6 Other adverse effects                |                              |
| Precautions                               | None                         |

### **13. DISPOSAL CONSIDERATIONS**

|                              |  |
|------------------------------|--|
| 13:1 Waste treatment methods |  |
| Disposal Methods             | When possible recover spilled product. When product must be discarded, do so into an authorised dump or recycling service station. Act in accordance with local and national regulations |

### **14. TRANSPORT INFORMATION**

|                                |  |
|--------------------------------|--|
| Warning Icon                   | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks. |
| 14:1 – UN Number               |  |
| UN No Road – ADR/RID/ADN       | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks  |
| UN No Sea- IMDG                | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks  |
| UN No Air – IATA               | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks  |
| 14:2 – UN proper shipping name |  |
| Road – ADR/RID/ADN             | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks  |
| Sea- IMDG                      | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks  |



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|  |   |
|--|---|
| Air - IATA   | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks |
| <b>14:3 – Transport Hazard class (es)</b>  |   |
| Road – ADR/RID/ADN   | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks |
| Sea- IMDG  | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks |
| Air- IATA  | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks |
| <b>14:4 - Packaging group</b>  |   |
| Road – ADR/RID/ADN   | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks |
| Sea- IMDG  | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks |
| Air - IATA   | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks |
| <b>14:5 – Environmental hazard</b>   |   |
| Environmentally hazardous substance/ marine pollutant.                                 | Not water endangering   |
| <b>14:6 - Special precautions for user</b>   |   |
| Precautions  | None  |
| <b>14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code</b> |   |
|  | Click here to enter text.   |

### **15. REGULATORY INFORMATION**

|  |  |
|--|--|
| <b>15:1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture.</b> |  |
| EU Directives  | Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing |



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|  |  |
|--|--|
|  | Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments. |
| Statutory Instruments                  | The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).  |
| Approved Code of Practice              | Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations   |
| Guidance Notes                         | Workplace Exposure Limits EH40. CHIP for everyone HSG 108.   |
| <b>15:2 Chemical Safety assessment</b> |  |
| Assessment information                 | A chemical assessment for this product has not been carried out.   |

### **16. OTHER INFORMATION**

|                            |   |
|----------------------------|---|
| Revision Date              | 01.06.2016  |
| Rev No/Repl, SDS Generated | 5   |
| Change Description         | Updated to comply with new MSDS format  |
| Changes made by            | K Tatton  |
| Review Date                | 01.06.2019  |
| Risk Phrases in Full       | None  |
| Hazard Statements in Full  | None  |
| Other Information          | Not dangerous according to REACH regulation 1907/2006<br>No signal word, pictograms, hazard or safety phases required (EU Regulation 1272/2008 CLP) |



## MATERIAL SAFETY DATA SHEET

**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 user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



**Document Date:**

**February 2019**

**STATEMENT**

We hereby certify that Argan Oil we supply yourselves is suitable for vegans. The product is derived entirely from raw materials of vegetable origin and animal derived products are not present in the product nor used in any stage of the production process, neither in the same production line.