

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### BABASSU OIL ORGANIC

#### 1. Identification of the substance/mixture and company

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Trade name: Babassu oil Organic  
I.N.C.I. Orbignya Oleifera Seed Oil  
CAS No. : 91078-92-1  
EC No. : 293-376-2  
Utilization: Raw material for cosmetic use, cosmetic ingredient  
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, [www.elemental.com](http://www.elemental.com)  
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.  
International emergency number: +49 180 2273-112

#### 2. Hazards Identification

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##### 2.1 Classification of the substance or mixture

Classification (67/548/EEC) This product is not dangerous according to REACH Regulation 1907/2006.

Classification (EU1272/2008)

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

Label in accordance with Regulation (EC) No 1272/2008.

GHS Label None.

Signal Word None.

Contains None.

Hazards Statement None.

Signal Word None.

Precautionary Statements None.

Supplementary Precautionary Statements None.

##### 2.3 Other hazards

Adverse physio-chemical properties None.

Adverse effects on human health None.

#### 3. Declaration of ingredients

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##### 3.1. Substances

Triglycerides of vegetable origin, INCI Orbignya Oleifera Seed Oil, 100%

##### 3.2. Mixtures

Not Applicable.

#### 4. First aid measures

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##### 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 Main symptoms and effects, both acute and delayed

None

4.3 Indication to consult a physician immediately or any special treatments

Not applicable

## 5. Fire fighting measures

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5.1 Means of extinction

Suitable extinguishing media: 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 Recommendations for fire-fighters

Standard. Wear self-contained breathing apparatus in confined spaces.

## 6. Accidental release measures

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6.1 Personal precautions, protective devices and emergency procedures

None Required.

6.2 Environmental precautions

None Required.

6.3 Methods and materials for containment and remediation

Spills can be absorbed by cloth or sawdust, washed away with water & cleaned with sodic products.

6.4 Reference to other sections

Refer section 8 and 13

## 7. Handling and storage

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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.

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

Keep the product container tightly closed, in a dry, ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.

#### 7.3 Specific end uses

No data available

### 8. Exposure controls / personal protection

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#### 8.1 Control parameters

No data available

#### 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 No special measures required.

Respiratory Equipment No special measures required

Hygiene Measures No special measures required

Engineering Measures No special measures required

### 9. Physical and chemical properties

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#### 9.1 Information on physical and chemical properties

Appearance: soft solid, may liquify at warmer ambient

Odor: neutral

Color: white ivory

pH-value: not relevant

Relative density: 0.91 – 0.92

Refractive index: 1.440-1.460

Melting point: 19-23°C

Sublimation point: no data available

Softening point: no data available

Flash point: > 280 °C

Lower explosion limits: no data available

Upper explosion limits: no data available

Vapor pressure: no data available

Water solubility: insoluble

Solubility in other solvents: good soluble in fat, oils

Partition coefficient: no data available

Vapor density: no data available

#### 9.2 Other information

None

### 10. Stability and reactivity

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#### 10.1 Reactivity

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Oxidation with atmospheric oxygen. Formation of free fatty acids.

#### 10.2 Chemical stability

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

#### 10.3 Possibility of dangerous reactions

No.

#### 10.4 Conditions to avoid

Keep away from heat sources, open flames and sunlight.

#### 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.

### 11. Toxicological information

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#### 11.1 Information on toxicological effects

##### Acute Toxicity

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

LD50 oral: not determined

LD50 dermal: not determined

LC50: not determined

Skin irritation in compliance with generally accepted uses and quantities are no negative impacts to be expected.

Eye damage or irritation in compliance with generally accepted uses and quantities are no negative impacts to be expected.

Respiratory or skin sensitivity in compliance with generally accepted uses and quantities are no negative impacts to be expected.

Germ cell mutagenicity There is not expected negative impact.

Carcinogenicity There is not expected negative impact.

Reproductive toxicity There is not expected negative impact.

STOT – single exposure No information available.

STOT – repeated exposure No information available.

Aspiration hazard No information available

Other information No information available.

### 12. Ecological information

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#### 12.1 Toxicity

No information available

#### 12.2 Persistence and degradability

Biologically well degradable

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12.3 Bioaccumulation potential  
possible.

12.4 Ground mobility  
Low – None.

12.5 Results of PBT and vPvB assessment  
Not Available.

12.6 Other adverse effects  
WKG1

### 13. Disposal considerations

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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.

### 14. Transport information

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Not classified as dangerous substance.  
Not classified under IMDG or ADR regulations.  
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.

### 15. Regulatory information

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15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture  
Certified organic with referential COSMOS available at <http://COSMOS.ecocert.com> 100% ingredients from natural origin 100% of the total ingredients are from organic farming.  
EU Directives Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 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).

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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.

#### 15.2 Chemical safety assessment.

Assessment has not been carried out as this is a non-hazardous material according according to article 31 of REACH 1907/2006.

### 16. Additional information

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#### 16.1 Abbreviations:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO – International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-striction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.