

MARULA VEGETABLE OIL

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name MARULA VEGETABLE OIL
 Substance name Sclerocarya birrea (A.Rich.) Hochst.seed kernels oil, ext.
 CAS No. 68956-68-3
 EC No. 273-313-5
 REACH Registration No. Exempt: tonnage band under 1 ton/year

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

Identified Use(s) Raw material for industry
 Cosmetic products, detergents
 Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Supplier
 Company Identification Biottonia NaturalCare SL
 Address of Manufacturer Carretera de la Estación 25
 Postal code 06480 Montijo, España
 Telephone: (+34) 924 45 90 56
 E-mail Info@biottonia.com

1.4 Emergency telephone number

National response center
 Address Servicio de Información Toxicológica (SIT)
 Teléfono de urgencias toxicológicas: 91 5620420
 Dirección: c/ Luis Cabrera nº 9, 28002 Madrid
 Fax: 91 411 40 66
 www.mju.es/toxicologia
 Emergency Phone No. 915 620 420

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) 1907/2006. Not classified as dangerous for supply/use according to REACH Regulation

Eye. Irrit. 2 : Causes serious eye irritation.
 Aquatic Chron. 4. May cause long lasting harmful effects to aquatic life.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
 Product Name MARULA VEGETABLE OIL
 Substance name Sclerocarya birrea, seed kernels oil ext.

Hazard Pictogram(s)



Signal Word(s)

GHS07 GHS09
 Danger

Hazard Statement(s)

H319: Causes serious eye irritation
 H413: May cause long lasting harmful effects to aquatic life.

Precautionary Statement(s)

P264: Wash thoroughly after handling
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing
 P337 + P313: If eye irritation persists: Get medical advice/attention
 Storage P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container to ...

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Sclerocarya birrea, ext.	68956-68-3	273-313-5	100	Eye. Irrit. 2 (H319) Aquatic Chron. 4 (H413)	GHS07 GHS09

Major constituents of the substance contributing to the classification:

INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)
Oleic acid	112-80-1	204-007-1	70-80	Not classified
Palmitic acid	57-10-3	200-312-9	7-14	Not classified
Stearic acid	57-11-4	200-313-4	4-12	Not classified
Linoleic acid	60-33-3	200-470-9	3-8	Not classified

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation -
 Skin Contact -
 Eye Contact First rinse with plenty of water for 15 minutes (remove contact lenses if easily possible), then take to a doctor if the symptoms persist.
 Ingestion If swallowed, rinse mouth with water. Get medical attention immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

See section 4.1 for further information.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media Foam or dry powder.
 Unsuitable extinguishing media For safety reasons do not use full water jet.

5.2 Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.
 Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapours. Use appropriate respiratory protection. Prevent run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for fire-fighters: wear positive pressure self contained breathing apparatus (scba) and appropriate protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure. Avoid inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions

Avoid contaminating the environment via the sewers or water sources

6.3 Methods and material for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete.
 Dispose of in accordance with current laws and regulations

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from food, drink and animal feedingstuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light.

Keep the container at 25°C. Protect from light.

Store in accordance with local/national regulations and follow the warnings on the label.

The storage must comply the ISO/TS 210

7.3 Specific end use(s)

See 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection

Wear eye protection with side protection (EN166).



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Skin protection

Not normally required.



Clothing protection
when working with

Good personal hygiene practices are always advisable, especially
chemicals/oils..

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Pale yellow
Odour	Mild and characteristic aroma
Saponification value	Not known
Peroxide Value	Not known
Aerobic microbial total count	<1000 ufc/g
Solubility	Insoluble in water
Solubility in water	Insoluble in water
Flash point	228 (±2) °C
Flammability Limits (as % v/v in Air)	-
Lower Explosion Limit	Not known
Upper Explosion Limit	Not known
Autoignition Temperature	Not known
Melting Point	Not known
Vapour Pressure	Not known
Vapour Density	Not known
Specific gravity	0.8635-0.9579
Refractive index	1.4386-1.4826 (20°C)
pH	Not known
Viscosity	92.83-120.54 (20°C) mPa.S 73.50-83.85 (40°C) mPa.S

9.2 Other information

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under suggested conditions (<25°C).

10.3 Possibility of hazardous reactions

Hazardous Polymerization: will not occur

10.4 Conditions to avoid

Avoid excessive temperature and sunlight. Keep away from strong oxidizing agents, sources of ignition and open flames.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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Acute toxicity:	A non-toxic product. It does not contain any impurities. This product is not included in the list of substances prohibited in cosmetic products or subject to restrictions. It does not contain colorants, preservatives or UV filters (Annex II – VI of EU regulation 1223/2009).
Skin Corrosion / Irritation:	Expected to be non-toxic by dermal route
Adverse skin reactions	Not expected to be an irritant
Serious eye damage/irritation:	There may be irritation and redness. Eyes will water profusely.
Respiratory or skin sensitisation:	N/A
Germ cell mutagenicity:	N/A
Endocrine toxicity	N/A
Carcinogenicity:	N/A
Reproductive toxicity:	N/A
STOT-single exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity:	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Acute Oral:	No Known Data

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11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates

May cause long lasting harmful effects to aquatic life.

Toxicity - Fish

Low toxicity to invertebrates.

Toxicity - Algae

Low toxicity to fish.

Toxicity - Sediment Compartment

Low toxicity to algae.

Toxicity - Terrestrial Compartment

Not classified.

Not classified.

12.2 Persistence and degradability

This material is considered readily biodegradable, therefore does not fulfil the criteria for persistence.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Containers must be disposed of as hazardous waste.
Do not reuse empty containers.
Empty residue into a suitable disposal site.
Do not empty into drains. Avoid release to the environment for specific instructions /Safety Data Sheets.

13.2 Additional Information

Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No.

1169

14.2 UN proper shipping name

UN proper shipping name

EXTRACTS, AROMATIC, LIQUID

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class

3

ADR Classification Code

F1

Special Provisions

601

Limited Quantities

5 L

Excepted Quantities

E1

Emergency Action Code

3Y

Mixed Packing Instructions for Packages

P001 IBC03 LP01 R001

Special Packing Provisions for Packages

Mixed Packing Instructions for Packages

MP19

Packing Instructions for Portable Tanks

T2

Special Provisions for Portable Tanks

TP1

Tank Code for Tanks

LGBF

Special Provisions for Tanks

Vehicle for Tank Carriage

FL

ADR Transport Category

3

Tunnel Restriction Code

D/E

Special Provisions for Carriage -

V12

Packages

Special Provisions for Carriage - Bulk

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Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	S2
ADR HIN	30
IMDG	
IMDG Class	3
Special Provisions	601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	
Packing Instructions for Portable Tanks	T2
Special Provisions for Portable Tanks	TP1
IMDG EMS	F-E, S-D
Storage and Handling	Category A
Segregation	
Marine Pollutant	
ICAO/IATA	
IATA Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y344
Passenger and Cargo Aircraft Limited Quantities Max net Qty	10L
Passenger and Cargo Aircraft Packing Instructions	355
Passenger and Cargo Aircraft Max net Qty	60L
Cargo Aircraft Packing Instructions	366
Cargo Aircraft Max net Qty	220L
Special Provisions	A3
Emergency Response Guidebook (ERG) Code	3L
Labels	
Labels	



14.4 Packing group	III
14.5 Environmental hazards	
Environmental hazards	Classified as a Marine Pollutant.
14.6 Special precautions for user	
Special precautions for user	Not known.
14.7 Maritime transport in bulk according to IMO instruments	
	No information available

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use	
Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not listed
Community Rolling Action Plan (CoRAP)	Not listed
Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	Not listed

National regulations	Not known
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Other
15.2 Chemical Safety Assessment

Not known.

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS07

GHS09

GHS09: GHS: Environment

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE : Acute Toxicity Estimate
 CAS : Chemical Abstracts Service
 CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
 DNEL : Derived No Effect Level
 EC : European Community
 EINECS : European Inventory of Existing Commercial Chemical Substances
 IATA : International Air Transport Association
 IBC : Intermediate Bulk Container
 ICAO : International Civil Aviation Organization
 IMDG : International Maritime Dangerous Goods
 LTEL : Long term exposure limit
 PBT : Persistent, Bioaccumulative and Toxic
 PNEC : Predicted No Effect Concentration
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
 STEL : Short term exposure limit
 STOT : Specific Target Organ Toxicity
 UN : United Nations
 vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP) data used to compile the SDS

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