



Certificate of Analysis

Product Description: **Jojoba Oil, Refined** **INCI Name:** **Simmondsia Chinensis Seed Oil**

EINECS Number: **289-964-3** **CAS Number:** **90045-98-0**

Batch Number: **4351201** **Best Before End:** **February 2021**

Analytical Details	Result
Appearance	Light yellow clear mobile liquid
Odour	Characteristic
Specific Gravity @ 20°C	0.887
Refractive Index @ 20°C	1.4665
Peroxide Value (MeqO ₂ /kg)	1.1
Saponification Value	93.8
Unsaponifiable Matter	50.1
Iodine Value	85.0
Acid Value (mg KOH/g)	0.65

Palmitic Acid	C16:0	1.1
Palmitoleic Acid	C16:1	0.3
Oleic Acid	C18:1	10.1
Eicosenoic Acid	C20:1	71.3
Behenic Acid	C22:0	0.2
Erucic Acid	C22:1	14.1
Nervonic Acid	C24:1	1.6
Other Fatty Acid		1.3



Allergen Statement

Jojoba Oil, Refined

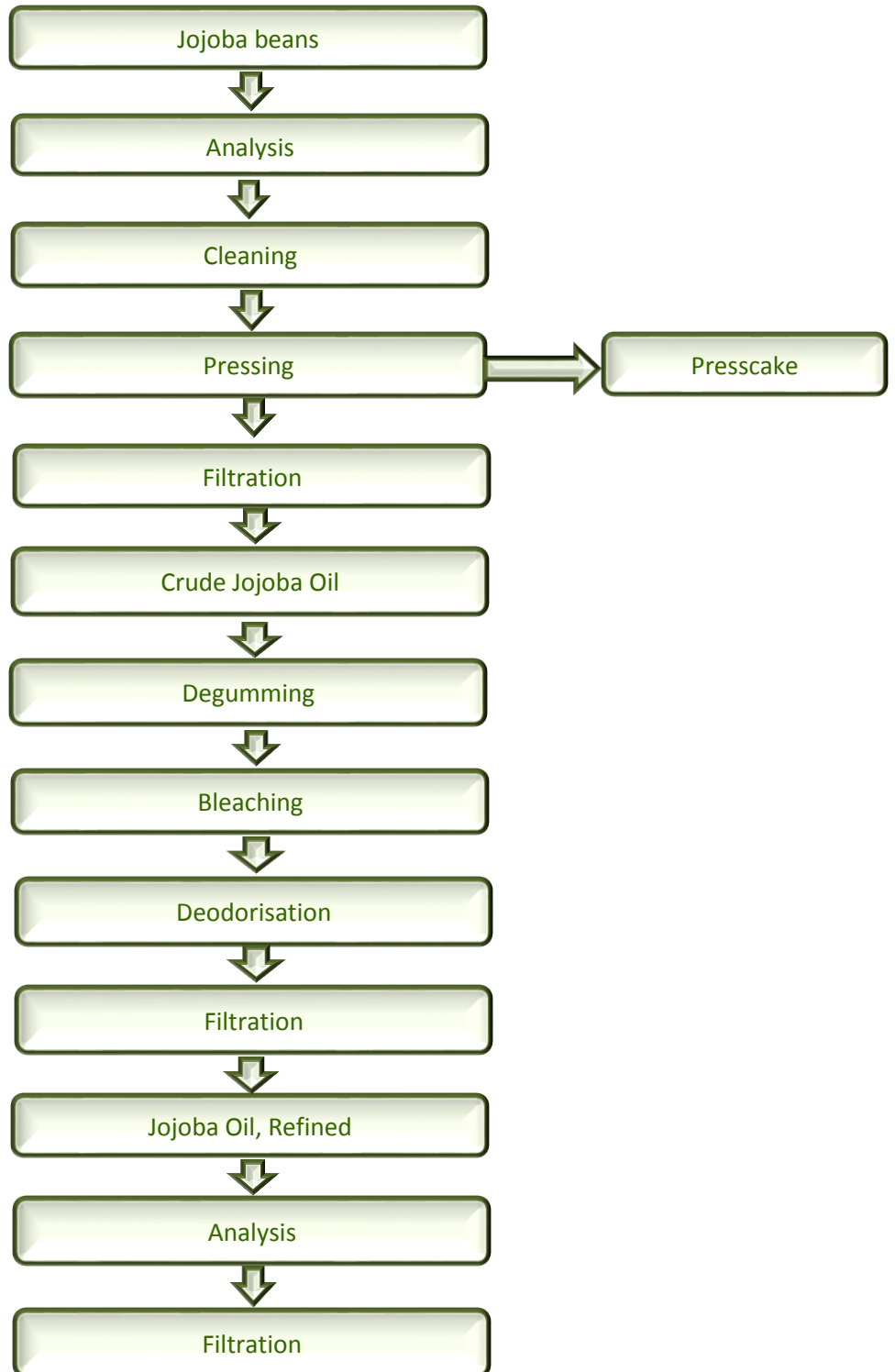
INCI Name: Simmondsia Chinensis Seed Oil

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
68	BENZYL ALCOHOL	100-51-6	0
69	CINNAMYL ALCOHOL	104-54-1	0
70	CITRAL	5392-40-5	0
71	EUGENOL	97-53-0	0
72	HYDROXY-CITRONELLAL	107-75-5	0
73	ISOEUGENOL	97-54-1	0
74	AMYL CINNAMYL ALCOHOL	101-85-9	0
75	BENZYL SALICYLATE	118-58-1	0
76	CINNAMAL	104-55-2	0
77	COUMARIN	91-64-5	0
78	GERANIOL	106-24-1	0
79	HYDROXY-METHYLPENTYL CYCLOHEXENECARBOXALDEHYDE	31906-04-4	0
80	ANISE ALCOHOL	105-13-5	0
81	BENZYL CINNAMATE	103-41-3	0
82	FARNESOL	4602-84-0	0
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0
84	LINALOOL	78-70-6	0
85	BENZYL BENZOATE	120-51-4	0
86	CITRONELLOL	106-22-9	0
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0
88	LIMONENE	5989-27-5	0
89	METHYL HEPTIN CARBONATE	111-12-6	0
90	ALPHA-ISOMETHYL IONONE	127-51-5	0
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0



Jojoba Oil, Refined Manufacturing Flow Chart





IFRA Conformity Certificate

Jojoba Oil, Refined

INCI Simmondsia Chinensis Seed Oil

CAS Number 90045-98-0

EINECS Number 289-964-3

Product Statement

We hereby certify that the above named product does not include any of the components listed in the 48th Amendment of the IFRA Code of Practice. Therefore its use is not restricted.

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.

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.



Material Safety Data Sheet

According to EU Regulation 1907/2006

Jojoba Oil, Refined

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

1.1 Product Identifier

Product Name	Jojoba Oil, Refined				
Biological Definition	Simmondsia Chinensis Seed Oil is the fixed oil expressed or extracted from seeds of the desert shrub, Jojoba, Simmondsia chinensis, Buxaceae				
INCI Name	Simmondsia Chinensis Seed Oil				
Synonyms & Trade Names					
Internal Product Code	R00212				
CAS-No	90045-98-0	EC No.	N/A	EINECS No.	289-964-3

1.2 Details of the supplier of the safety data sheet

Company Identification	Madar Corporation 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: sales@madarcorporation.co.uk				
------------------------	---	--	--	--	--

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC)	Not classified as a hazardous substance.
Classification (EU 1272/2008)	Not classified as a hazardous substance.

2.2 Label elements

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

GHS Label:	None
Signal word:	None
Contains	None
Hazard Statements:	None
Precautionary Statements:	None
Supplementary Precautionary Statements:	None

2.3 Other hazards

Adverse physio-chemical properties	None
Adverse effects on human health	None

SECTION 3: Composition/information on ingredients

3.1 Substances

N/A

3.2 Mixtures

EU INCI	US INCI
N/A	N/A

**SECTION 4: First aid measures****4.1 Description of first aid measures**

General Information	None
Inhalation	None
Ingestion	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Skin Contact	Clean skin with water and soap.
Eye Contact	None

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

SECTION 5: Fire fighting measures**5.1 Extinguishing Media**

Foam, dry chemical powder, carbon dioxide.

5.2 Special hazards arising from the substance or mixture.

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. Dangerous combustion residues: smoke, carbon monoxide, carbon dioxide.

5.3 Advice for fire-fighters

In the case of fire: Use respirator.

SECTION 6: Accidental release measures**6.1 Personal precautions**

Remove sources of ignition, provide adequate ventilation, and avoid contact with skin and eye contact.

6.2 Environmental precautions

N/A

6.3 Methods and material for containment and 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 remainder of the 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 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 References to other sections.Please refer to *Section 8 - Exposure controls/personal protection* for further information on personal precautionsPlease refer to *Section 13 - Disposal Considerations* for further information on waste treatment.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.

7.2 Conditions for safe storage, including any incompatibilities

Intrusion into soil to be avoided. Store the 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)



N/A

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

None

8.2 Exposure Controls

Eye protection		No special measures required
Hand protection		No special measures required
Respiratory Equipment		No special measures required
Hygiene Measures		No special measures required
Engineering Measures		No special measures required

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Clear mobile liquid
Colour	Yellow
Odour	Characteristic
Relative Density	0.863 – 0.873 at 20°C
Flash Point (°C)	>200°C
Refractive Index	1.465 – 1.467
Melting Point (°C)	N/A
Boiling Point (°C)	>350°C
Vapour Pressure	N/A
Solubility in Water @20°C	Soluble in oil and ethanol
Auto-ignition temperature (°C)	N/A

9.2 Other information

N/A



SECTION 10: Stability and reactivity

10.1 Reactivity

Oxidation with atmospheric oxygen. Formation of free fatty acids.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

Reacts with oxidants.

10.4 Conditions to avoid

Keep away from heat sources, open flames and sunlight.

10.5 Incompatible materials

Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen.

10.6 Hazardous decomposition products

Product does not decompose at proper handling.

SECTION 11: Toxicological information

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 corrosion / irritation:	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Serious eye damage/irritation:	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Respiratory or skin sensitisation:	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



SECTION 12: Ecological information

12.1 Toxicity

No information available

12.2 Persistence and degradability

Biologically well degradable

12.3 Bio-accumulative potential

possible

12.4 Mobility in soil

No information available

12.5 Results of PBT and VPVB assessment

No information available

12.6 Other adverse effects

WGK 1

SECTION 13: Disposal considerations

13.1 Waste Treatment Methods

Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude in soil or waters.

SECTION 14: Transport information

Warning Icon	N/A
Proper Shipping Name	N/A
UN No. Road	N/A
ADR Class	N/A
Hazard No (ADR)	N/A
Hazchem Code	N/A
UN No. SEA	N/A
IMDG Class	N/A
IMDG Pack Gr.	N/A
EMS	N/A
UN No. AIR	N/A
Air Class	N/A
Air Pack Gr.	N/A

SECTION 15: Regulatory information

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

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th 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).
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

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: Other information

Training instructions: Refer to possible hazard before use of this product.

Abbreviations and acronyms:

MSDS	Material Safety Data Sheet
INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service
IMDG	International Maritime Code for Dangerous Goods
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	International Carriage of Dangerous Goods by Rail
ICAO	International Civil Aviation Organization
ADN	International Carriage of Dangerous Goods by Inland Waterways
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Trem Card	Transport Emergency Card
STOT	Specific Target Organ Toxicity
N/A	Not Available

Complies with REACH guidance for SDS as circulated by ECHA 2011.

Disclaimer

This information contained herein is believed to be true and correct at the time of our response. Any views or opinions presented in this document are solely those of the author and do not necessarily represent those of **Madar Corporation**. Neither can we guarantee the accuracy of any of the information or data contained within. It is not, and should not be construed as, a guarantee or warranty, or a part of our contractual or other legal obligations. Disclosure, reproduction or transmission, in whole or in part, without prior written consent of **Madar Corporation** is not permitted.



SPECIFICATION SHEET

Jojoba Oil, Refined

INCI Simmondsia Chinensis Seed Oil

CAS Number 90045-98-0

EINECS Number 289-964-3

Product Description

Simmondsia Chinensis Seed Oil is the fixed oil expressed or extracted from seeds of the desert shrub, Jojoba, Simmondsia chinensis, Buxaceae

Analytical Details

Range

Appearance	Clear mobile liquid
Colour	Light yellow
Odour	Characteristic
Specific Gravity @ 20°C	0.863 – 0.873
Refractive Index @ 20°C	1.465 – 1.467
Acid Value	<2.0
Peroxide Value	<10.0
Iodine Value	80.0 – 90.0
Saponification Value	90.0 – 98.0
Unsaponifiable Matter	45.0 – 55.0
Colour Gardner	<2.0

	C-Chain	Acid Name	Range
Fatty Acid Profile	C16:0	Palmitic	<3.0
	C16:1	Palmitoleic	<1.0
	C18:1	Oleic	5.0 – 15.0
	C20:1	Eicosenoic	65.0 – 80.0
	C22:0	Behenic	<1.0
	C22:1	Erucic	10.0 – 22.0
	C24:1	Nervonic	<3.5

Shelf Life / Best Before:

12 Months

This information contained herein is believed to be true and correct at the time of our response. It is not, and should not be construed as, a guarantee or warranty, or a part of our contractual or other legal obligations. Disclosure, reproduction or transmission, in whole or in part, without prior written consent of **Madar Corporation** is not permitted.



Date: 10/01/2019

Re: Vegan – Jojoba Refined Oil

We can confirm that the above named oil supplied by the MADAR Corporation Limited is suitable for Vegans.