

TECHNICAL AND REGULATORY DOSSIER

PRODUCT NAME:	Jojoba Wax Flakes	CAS No:	92457-12-0
INCI NAME:	Hydrogenated Jojoba Oil	EINECS No:	296-292-4

COMPOSITION

Jojoba Wax Flakes is 100% Hydrogenated Jojoba Oil

ORIGIN

Country of Manufacture: USA

Geographical Origin of Plant Material:* USA (and) Argentina

*The geographical origin of the plant material used in the manufacture of the product typically originates and/or is sourced from the location(s) indicated above. However, we reserve the right to obtain material from other sources.

SOURCE

Source Material: Botanical (plant) (and) Synthetic
Binomial name: Simmondsia Chinensis
Part of plant used: seed

MANUFACTURING PROCESS

Jojoba Wax Flakes is manufactured by full hydrogenation of Jojoba Oil.

ALLERGEN

EUROPEAN UNION (EU):

Jojoba Wax Flakes is not expected to contain any of the 26 Allergens listed on the Fragrance Restrictions in Annex

II and III of Cosmetic Directive 1223 / 2009 (previously listed in Annex III (2003 / 15 / EC)). However, since the detection of allergens does not form part of the product specification it is not routinely analyzed.

FOOD AND DRUG ADMINISTRATION (FDA):

Jojoba Wax Flakes does not contain, and is not classified as a major food allergens indicated by the Food Allergen Labelling and Consumer Protection Act of 2004(FALCPA). Please be advised that Vantage Specialty Ingredients, Inc. does not warrant the ingestion of the product indicated above. It is intended to be used solely as a cosmetic ingredient.

COMPLIANCE WITH REGULATION (EC) NO °1223/2009

Jojoba Wax Flakes is expected to be compliant with EU Cosmetic Regulation (EC) No° 1223/2009 regarding:

- ANIMAL TESTING
- CARCINOGENIC, MUTAGENIC, REPROTOXIC (CMR) SUBSTANCES
- NANOMATERIAL
- PROHIBITED OR RESTRICTED SUBSTANCES
- SUBSTANCES OF VERY HIGH CONCERN (SVHC)

ANIMAL TESTING

In accordance with Regulation (EC) No 1223 / 2009, Chapter V; Article 18 of the European Parliament and of the Council of 30 November 2009 on Cosmetic Products, **Jojoba Wax Flakes** has not been tested on animals for cosmetic purposes by or on behalf of our company.

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CARCINOGENIC, MUTAGENIC, REPROTOXIC (CMR) SUBSTANCES

Jjoba Wax Flakes is *NOT* expected to contain any substances classified as CMR, Class 1A, 1B and 2 indicated on REACH Annex VI or in Regulation (EC) No 1272/2008. However, since the detection of these substances does not form part of the product specification they are not routinely analyzed.

NANOMATERIAL

Jjoba Wax Flakes is *NOT* intentionally manufactured with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nanometers (nm).

PROHIBITED OR RESTRICTED SUBSTANCES

Jjoba Wax Flakes is *NOT* expected to contain a detectable concentration of any substance listed on Annexes II or III of Regulation (EC) No° 1272/2008.

SUBSTANCES OF VERY HIGH CONCERN (SVHC)

Jjoba Wax Flakes does not meet the criteria of Article 57 of the REACH Regulation (Pertaining to the classification of substances of very high concern) and therefore, cannot be propositioned for the candidate list.

BIODEGRADABILITY

Please be advised that hydrogenated Jjoba Oil was tested for biodegradability using protocols based on OECD Guideline 301D and OPPTS 835.3100. The test substance was exposed to an effluent inoculum under aerobic conditions for 28 days at approximately 20°C. The percent degradation on day 28 indicated that component exhibited the characteristics of inherently biodegradable material.

CALIFORNIA PROPOSITION 65

Jjoba Wax Flakes contains trace amounts of nickel. Nickel is a substance indicated on Proposition 65. The

presence of this substance is technically unavoidable. The concentration of nickel is not expected to exceed 5 ppm. **Jjoba Wax Flakes** is not expected to contain a detectable amount of any other substance indicated on Proposition 65. However, since the detection of these substances does not form part of the product specification they are not routinely analyzed.

CONFLICT MINERALS

Vantage Specialty Ingredients, Inc. is not required to disclose information under the Dodd-Frank Wall Street Reform and Consumer Financial Protection Act. In addition, conflict minerals or conflict mineral derivatives from the Democratic Republic of the Congo or any adjoining countries (as defined by the Act) are not purchased. Furthermore, conflict minerals are not expected to be used in the manufacture of our products.

CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES OF WILD FAUNA AND FLORA (CITES)

In accordance with Regulation (EC) No 338/97, **Jjoba Wax Flakes** is *NOT* derived from species listed in Appendices I, II, or III.

CERTIFICATION(S)

COSMOS Attestation (n° 5217)
Ecocert Attestation (n° 5217)

GENETICALLY MODIFIED ORGANISMS (GMOs)

Jjoba Wax Flakes is not manufactured using genetically modified organisms (GMOs); the genetic material of the jjoba plant has not been altered or modified using genetic engineering techniques.

HEAVY METAL

Vantage Specialty Ingredients, Inc. hereby certifies that although heavy metal analysis is not conducted regularly, random analysis has indicated trace amounts of nickel present in **Jjoba Wax Flakes**. The presence of this

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substance is technically unavoidable. The concentration of nickel is not expected to exceed 5 ppm. However, since the detection of heavy metal does not form part of the product specification it is not routinely analyzed.

GLOBAL INVENTORIES

	92457-12-0
USA-TSCA	Not Listed
Europe-EINECS	Listed
Canada-DSL	Not Listed
Philippines-PICCS	Not Listed
Japan-ENCS	Not Listed
China IECSC/IECIC	Not Listed*/Listed
Australia-AICS	Listed
Korea- ECL	Not Listed

*61789-91-1 is an applicable CAS number for the specified inventory.

IMPURITIES

Jojoba Wax Flakes contains trace amounts of nickel. The presence of this substance is considered technically unavoidable. The concentration of nickel is not expected to exceed 5 ppm. No other impurities are known. However, since the detection of impurities does not form part of the product specification it is not routinely analyzed.

MICROBIOLOGICAL PARAMETERS

Jojoba Wax Flakes is not expected to contain a concentration of water adequate to possess an environment that supports microbial survival or growth. However, since microbiological testing does not form part of the specification it is not routinely performed.

PESTICIDES

Although pesticide analysis is not conducted regularly, random analysis has indicated no detectable levels present in source material (Simmondsia Chinensis (Jojoba) Seed Oil) used in the manufacture of **Jojoba Wax**

Flakes. Furthermore, the refining process would generally eliminate any pesticide residue which may be present. However, since pesticide analysis does form part of the specification it is not routinely analyzed.

PETROCHEMICAL

Jojoba Wax Flakes is not derived from or manufactured with petrochemicals.

PRESERVATIVES

Jojoba Wax Flakes does not contain butylated hydroxytoluene (BHT), butylated hydroxyanisole (BHA), parabens, formol, formaldehyde releasers (including quaternium-15, DMDM hydantoin, ureas, or sodium hydroxymethylglycinate) or any other preservative system.

PRODUCT IS NOT EXPECTED TO CONTAIN THE FOLLOWING SUBSTANCES:

- 1,4-Dioxane
- Ethylene Oxide
- Gluten
- Nitrosamines releasers
- Phthalates
- Sulfates

RESIDUAL SOLVENT

The European Pharmacopoeia and the United States Pharmacopoeia have adopted the ICH (International Committee on Harmonization) Guideline Q3C Residual Solvents. Please be advised that the product indicated above is not manufactured with the use of any solvent listed as Class 1, Class 2, or Class 3 listed in the ICH Q3C Guideline for residual solvents. However, since residual solvent detection does not form part of the product specification it is not routinely analyzed.

REACH

Please be advised that **Jojoba Wax Flakes (Hydrogenated Jojoba Oil)** has been registered with REACH. The registration number: 01-2120747948-34-XXXX.

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STUDIES

According to the Cosmetic Ingredient Review (CIR), "Hydrogenated Jojoba Oil...[is] safe as a cosmetic ingredient in the practices of use and concentration as discussed [in the] safety assessment." The full CIR safety report can be found online and is available upon request.

TRANSMISSIBLE/BOVINE SPONGIFORM ENCEPHALOPATHY (TSE/BSE)

Please be advised that the raw materials used in the manufacture of **Jojoba Wax Flakes** are not derived from animal sources. Therefore, the product is *NOT* expected to contain any variety of Transmissible Spongiform Encephalopathy (TSE), including Bovine Spongiform Encephalopathy (BSE).

VEGAN

Vantage Specialty Ingredients, Inc. hereby certifies that to the best of our knowledge the **Jojoba Wax Flakes** is considered Vegan under the following conditions:

- Does not contain meat, fish, fowl, animal byproducts,
- eggs or egg products, milk or milk products
- Does not involve animal testing of ingredients or finished product by supplier, producer, manufacturer or independent party
- Does not contain animal-derived GMOs or genes used to manufacture ingredients or finished products

HALAL

Please be advised, **Jojoba Wax Flakes** does not have a Halal certification and is not manufactured in a

Halal-certified facility. However, the product is expected to comply with the basic principles of Halal. These principles include:

- Does not contain and was not manufactured with animal products or animal byproducts.
- Does not contain and was not manufactured with blood or blood byproducts.
- Does not contain and was not manufactured with alcohol (or other intoxicants).
- The facility where the **Jojoba Wax Flakes** are manufactured does not contain animal products, blood products or alcohol.

VOLATILE ORGANIC COMPOUNDS (VOC)

Jojoba Wax Flakes does not meet the definition as a volatile organic compound (VOC) under any the following regulations:

- 40 CFR Part 51 Section 51.100
- California Air Resources Board's definition of reactive organic gas (ROG) or total organic gases (TOG)
- EC Directive 1999/13/EC (Solvent Emissions Directive)
- The Swiss Federal Council (based on 35a and 35c of the Environmental Protection Act).