



Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Jjoba Oil Golden				
Biological Definition	Simmondsia Chinensis Seed Oil is the fixed oil expressed or extracted from seeds of the desert shrub, Jjoba, <i>Simmondsia chinensis</i> , <i>Buxaceae</i> .				
INCI Name	Simmondsia Chinensis Seed Oil				
Synonyms & Trade Names	-				
CAS-No	90045-98-0	EC No.	289-964-3	EINECS No.	289-964-3

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

No additional data available.

1.3 Details of the supplier of the safety data sheet

Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1

1.4 Emergency Tel. No.

604-540-8700 (Monday-Friday 8:30 am-4:30 pm)

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classed as a hazardous substance.

Classification (EC 1272/2008)

Not classed as a hazardous substance

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

No labelling required.

Signal Word

None.

Contains

Contains no hazardous substances.

Hazard Statements

None.

Precautionary Statements

None.

Supplementary Precautionary Statements

None.

2.3 Other Hazards

PBT or vPvB according to Annex XIII

No additional data available.

Adverse physio-chemical properties

None.

Adverse effects on human health

None.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

100% Simmondsia Chinensis Seed Oil - Cas# 90045-98-0, EC 289-964-3. Not classed as a hazardous product.

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	None.
Ingestion	None.
Skin Contact	Clean skin with water and soap.
Eye Contact	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.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

None.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media: Carbon dioxide (CO₂). Dry Chemical Powder. Foam.

5.2 Special hazards arising from the product

Do not use direct water jet on burning material.

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 firefighters

In the case of fire: Use respirator.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental Precautions

No special measures required. Dispose of in line with Local authority guidelines.

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 remaining material 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 Reference to other sections
None.

07. 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)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
None.	
8.2 Exposure controls	
Protective Equipment	
 <p style="text-align: center;">Goggles Gloves Overalls</p>	
Process Conditions	No special measures required
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	No special measures required.
Hand Protection	No special protection required.
Eye Protection	No special protection required.
Other Protection	Slip proof shoes may be worn in event of spillages.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	No special protection required.
Skin Protection	No special protection required.
Environmental Exposure Controls	Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Clear liquid.
Colour	Light yellow to yellow.
Odour	Characteristic.
Relative Density	0.860 - 0.870 @ 20°C
Flash Point (°C)	>295°C
Refractive Index	1.460 - 1.486 @ 20°C
Melting Point (°C)	12°C
Boiling Point (°C)	<225 @ 760 mm Hg

Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Oxidation with atmospheric oxygen. Formation of free fatty acids.	
10.2 Chemical stability	
The product is stable.	
10.3 Possible 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.	

11. TOXOLOGICAL 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 Inhalation: There is not expected negative impact.. Ingestion: There is not expected negative impact.. Skin contact: There is not expected negative impact.. Eye contact: There is not expected negative impact..
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 additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	None.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data available.
12.2 Persistence & degradability
Biologically well degradable.
12.3 Bioaccumulation Potential
Possible.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available
12.6 Other adverse effects
No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Collect and dispose of waste product in accordance with local authority guidelines. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not applicable - Non hazardous product.
UN No. SEA	Not applicable - Non hazardous product.
UN No. AIR	Not applicable - Non hazardous product.
14.2 UN proper shipping name	
No additional data available.	
14.3 Transport hazard class(es)	
No additional data available.	
14.4 Packing group	
No additional data available.	
14.5 Environmental hazards	
No hazard label necessary – non hazardous product.	
14.6 Special precautions for user	
See sections 6 – 8.	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
Not defined.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
<u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). <u>Approved Code Of Practice</u> Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	None - non hazardous product.
Other Information	None.
Revision Date	February 23, 2016
Reason for revision	New format and updated SDS
Rev No/Repl, SDS Generated	02

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