



## Safety Data Sheet

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

#### 1.1 Product Identifier

Product Name	Jjoba Oil Refined Water White				
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

None.

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

No additional data available.

Adverse effects on human health

No additional data available.

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

**Simmondsia Chinensis Seed Oil** :Cas No: 90045-98-0, Not classed as a hazardous substance.

#### **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 (CO<sub>2</sub>) : Foam, dry chemical powder, carbon dioxide..  
Unsuitable extinguishing media: Do not use direct water jet on burning material.

##### **5.2 Special hazards arising from the product**

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 eyes.

##### **6.2 Environmental Precautions**

Do not discharge into drains, water courses or onto the ground. 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 remainings 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 Reference to other sections**

Section 13

## 07. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>
Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
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.
<b>7.3 Specific end use(s)</b>
No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>
None.
<b>8.2 Exposure controls</b>
Protective Equipment
No special measures required.
Process Conditions
No special measures required.
Engineering Measures
No special measures required.
Respiratory Equipment
No special measures required.
Hand Protection
No special measures required.
Eye Protection
No special measures required.
Other Protection
No special measures required.
Hygiene Measures
Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection
Use personal protection according to Directive 89/686/EEC.
Skin Protection
No special measures required
Environmental Exposure Controls
Avoid discharging into drainage water.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>
Appearance
Clear liquid.
Colour
Almost colourless to slightly yellow.
Odour
Characteristic – slight.
Relative Density
0.863 - 0.873 @ 20°C
Flash Point (°C)
>200
Refractive Index
1.465 - 1.467 @ 20°C
Melting Point (°C)
No additional data available.
Boiling Point (°C)
> 350
Vapour Pressure
No additional data available.
Solubility in Water @20°C
Insoluble in water. Soluble in vegetable oils.
Auto-ignition temperature (°C)
No additional data available.
<b>9.2 Other information</b>
No additional data available.

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>
Oxidation with atmospheric oxygen. Formation of free fatty acids.
<b>10.2 Chemical stability</b>
The product is stable.
<b>10.3 Possible hazardous reactions</b>
Reacts with oxidants.
<b>10.4 Conditions to Avoid</b>
Keep away from heat sources, open flames and sunlight.
<b>10.5 Incompatible materials</b>
Avoid contact with strong oxidants such as liquid chlorine and concentrated oxygen.
<b>10.6 Hazardous Decomposition Products</b>
Product does not decompose with proper handling.

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	In compliance with generally accepted uses and quantities are no negative impact 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 impact to be expected.
Serious eye damage / irritation	In compliance with generally accepted uses and quantities are no negative impact to be expected.
Respiratory or skin sensitisation	In compliance with generally accepted uses and quantities are no negative impact to be expected.
Germ Cell Mutagenicity	There is no expected negative impact.
Carcinogenicity	There is no expected negative impact.
Reproductive toxicity	There is no 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	No additional data available.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>
No additional data available.
<b>12.2 Persistence &amp; degradability</b>
Biodegradable.

<b>12.3 Bioaccumulation Potential</b>
Possible.
<b>12.4 Mobility in soil</b>
No additional data available.
<b>12.5 Results of PBT and vPvB Assessment</b>
No additional data available.
<b>12.6 Other adverse effects</b>
Do not allow product to enter streams, sewers or other waterways. WGK 1.

### **13. DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>
Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude soil or waters.

### **14. TRANSPORT INFORMATION**

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

### **15. REGULATORY INFORMATION**

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
An assessment has not been carried out.
<b>15.2 Chemical safety assessment</b>
No additional information available.

### **16. OTHER INFORMATION**

Hazard and/or Precautionary Statements in Full	None.
Other Information	None.

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