



## Safety Data Sheet

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

#### 1.1 Product Identifier

Product Name	Parsley Seed Oil				
Biological Definition	Carum Petroselinum Seed Oil is a volatile oil obtained from the seeds of the Parsley, <i>Carum petroselinum L., Apiaceae</i> . It contains apiol, terpene and pinene				
INCI Name	Carum Petroselinum Seed Oil				
Synonyms & Trade Names	Parsley Oil				
CAS-No	84012-33-9 / 8000-68-8	EC No.	281-677-1 / -	EINECS No.	281-677-1 / -

#### 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

The Full Text for all Hazard Statements are Displayed in Section 16.

Classification (EC 1272/2008)

##### Physical hazards

Flammable liquids Category 3

##### Health hazards

Acute toxicity, oral Category 5

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Sensitization, skin Category 1

Aspiration hazard Category 1

##### Environmental Hazards

Hazardous to the aquatic environment, Category 2  
long-term hazard

#### 2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS08



GHS09



GHS07



GHS02



Signal Word	Danger
Contains	Pinenes, Phellandrenes, Limonene, b-myrcene, Terpinolene.
Hazard Statements	
H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H315 + H320	Causes skin and eye irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
Precautionary Statements	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist or vapour.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection..
Supplementary Precautionary Statements	
Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see this label).
P331	Do NOT induce vomiting.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.
P391	Collect spillage.
Storage	
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations
<b>2.3 Other Hazards</b>	
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
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### 03. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.2 Mixtures</b>	
<b>22.0% PINENES</b>	
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Sens. 1 – H317 , Asp Tox. 1 – H304, Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410	
<b>&lt;1.0% a-Phellandrene</b> CAS-No.: 99-83-2 EC No.: 202-792-5	
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp Tox. 1 – H304,	
<b>&lt;1.0% b-Phellandrene</b> CAS-No.: 555-10-2 EC No.: 209-081-9	
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp Tox. 1 – H304,	
<b>0.4% Limonene</b> CAS-No.: 5989-27-5 EC No.: 227-813-5	
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Irrit 2 – H315 Asp Tox. 1 – H304, Skin Sens. 1 – H317 Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410	
<b>0.20% Myrcene</b> CAS-NO.: 123-35-3 EC No.: 204-622-5	
Classification (EC 1272/2008); Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Aquatic Chronic 3 – H412	
<b>0.20% Terpinolene</b> CAS-No.: 586-62-9 EC No.: 209-578-0	
Classification (EC 1272/2008); Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Acute 4 – H312, Acute Chronic, 2 – H411	

### 04. FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
Ingestion	Call a physician or poison control centre immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
Skin Contact	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
Eye Contact	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
Dermatitis. Rash. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
No additional data available.	

## 05. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>
<b>Suitable extinguishing media</b> : Water spray, fog, CO <sub>2</sub> , dry chemical, or alcohol resistant foam. <b>Unsuitable extinguishing media</b> : Do not use a solid water stream as it may scatter and spread fire.
<b>5.2 Special hazards arising from the product</b>
Fire may produce irritating, corrosive and/or toxic gases.
<b>5.3 Advice for firefighters</b>
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

## 06. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>
Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapour.
<b>6.2 Environmental Precautions</b>
Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Retain and dispose of contaminated wash water.
<b>6.3 Methods and material for containment and cleaning up.</b>
Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Allow gas to dissipate into the atmosphere. Block any potential routes to water systems. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.
<b>6.4 Reference to other sections</b>
See protective measures under point 7 and 8.

## 07. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>
Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.
<b>7.3 Specific end use(s)</b>

No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No exposure limits noted for ingredient(s).

### 8.2 Exposure controls

Protective Equipment



Process Conditions	Technical measures and the application of suitable work processes have priority over personal protection equipment.
Engineering Measures	Use explosion-proof ventilation equipment to stay below exposure limits.
Respiratory Equipment	Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.
Hand Protection	Use solvent and acid resistant protection gloves according to EN 374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Take recovery periods for skin regeneration.
Eye Protection	Use protection goggles according to EN166.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
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	Protective work clothing solvent resistant (should be checked regularly).
Environmental Exposure Controls	Avoid discharging into drainage water. Only remove via authorised companies.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	Dark yellow to amber brown
Odour	Characteristic
Relative Density	0.890 - 0.935 @ 20°C
Flash Point (°C)	47.8 °C Closed Cup
Refractive Index	1.466 - 1.510 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
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

The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2 Chemical stability</b>
Material is stable under normal conditions.
<b>10.3 Possible hazardous reactions</b>
No dangerous reactions expected if used according to specifications.
<b>10.4 Conditions to Avoid</b>
Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>10.5 Incompatible materials</b>
Strong oxidizing agents.
<b>10.6 Hazardous Decomposition Products</b>
No dangerous decomposition products known.

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	Acute Derma LD50 Rabbit > 5000 mg/kg Oral LD50 Rat 3300 mg/kg * Estimates for product may be based on additional component data not shown
Skin corrosion / irritation	Causes skin irritation
Serious eye damage / irritation	Causes serious eye irritation
Respiratory or skin sensitisation	Respiratory sensitization.
Germ Cell Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity	No additional data available
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	May be fatal if swallowed and enters airways
Photo-toxicity	No additional data available
Other Information	No additional data available

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>
Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.
<b>12.2 Persistence &amp; degradability</b>
No additional data available
<b>12.3 Bioaccumulation Potential</b>
No additional data available
<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

## 12.6 Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Disposal instructions

Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Local disposal regulations

Dispose in accordance with all applicable regulations.

#### Hazardous waste code

Not established.

#### Waste from residues / unused products

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal, since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. TRANSPORT INFORMATION

### 14.1 UN number

UN No. Road	1197
UN No. SEA	1197
UN No. AIR	1197

### 14.2 UN proper shipping name

EXTRACTS, FLAVOURING, LIQUID (PARSLEY SEED OIL)

### 14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3

ADR/RID/ADN Class: 3

IMDG Class 3

ICAO Class/Division


Transport Labels



Tunnel restriction code D/E

EmS F-E, S-D

### 14.4 Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
<b>14.5 Environmental hazards</b>	
Environmentally Hazardous Substance/Marine Pollutant	
	
<b>14.6 Special precautions for user</b>	
See section 6 to 8.	
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
Packed and transferred according to transport regulations.	

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p>Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108).</p> <p>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.</p>	
<b>15.2 Chemical safety assessment</b>	
No additional information available.	

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H226 Flammable liquid and vapour.</p> <p>H303 May be harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H315 + H320 Causes skin and eye irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects</p>
Other Information	None
Revision Date	31/07/15



Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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