







Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Carrot Seed Oil.			
Biological Definition		Daucus Carota Sativa Seed Oil is the oil obtained by steam distillation from the seed of the carrot, <i>Daucus carota L. var. sativa, Umbelliferae</i> .			
INCI Name		Daucus Carota Sativa Seed Oil			
Synonyms & Trade Names		-			
CAS-No	8015-88-1 / 84929-61-3	EC No.	- / 284-545-1	EINECS No.	- / 284-545-1
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 is displayed in Section 16.			
Classification (EC 1272/2008)			
Physical and Chemical Hazards	Flam. Liq. 3 - H226		
Human health	Asp Tox 1 – H304 Skin Irrit 2 – H315; Eye Irrit 2 – H319; Skin sens 1 – H317;		
Environment	Aquatic Chronic 2 – H411		
2.2 Label Elements			
Label in accordance with (EC) No 1272/2008			
GHS02 	GHS08 	GHS07 	GHS09 
Signal Word	Danger.		
Contains	Beta Pinene, Trans-Beta-Farnesene, p-Cymene, Myrcene, Limonene		
Hazard Statements			
<p>H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.</p>			

H411 Toxic to aquatic life with long lasting effects.	
Precautionary Statements	
<p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P370+P378: In case of fire: Use water to extinguish. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331: Do NOT induce vomiting. P280: Wear protective gloves/protective clothing/eye protection/face protection. P501: Dispose of contents in accordance with local, state or national legislation. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing. And wash it before reuse. P302+P352: IF ON SKIN: Wash with plenty of water. P273: Avoid release to the environment. P391: Collect spillage.</p>	
Supplementary Precautionary Statements	
<p>P233: Keep container tightly closed. P405: Store locked up. P264: Wash hands and exposed skin thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace</p>	
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

3.2 Mixtures		
10 – 20 % Alpha Pinene	CAS No: 80-56-8	EC No: 201-291-9
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Sens. 1 – H317, Skin Irrit. 2 – H315, Asp. Tox. 1 – H304, Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410		
1 – 5 % Geranyl Acetate	CAS No: 105-87-3	EC No: 203-341-5
Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1- H317, Aquatic Chronic 3 – H412		
1-5% Caryophyllene Oxide	CAS No: 1139-30-6	EC No: 214-519-7
Classification (EC 1272/2008) Aquatic Chronic 2 – H411		
1 – 5% I-Beta-Bisabolene	CAS No: 495-61-4	EC No: 610-461-5
Classification (EC 1272/2008) Asp. Tox. 1 – H304, Skin Irrit. 2 – H315, Skin Sens. 1 – H317		
1 - 5% Beta Pinene	CAS No: 127-91-3	EC No: 204-872-5
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Skin Sens. 1 – H317, Skin Irrit. 2 – H315, Asp. Tox. 1 – H304, Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410		
1 - 5% Trans-Beta-Farnesene	CAS No: 18794-84-8	EC No: 242-582-0
Classification (EC 1272/2008) Asp. Tox. 1 – H304		

1 – 5% p-Cymene CAS No: 99-87-6 EC No. 202-796-7		
Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp. Tox. 1 – H304, Aquatic Chronic 2 – H411		
1 – 5% Myrcene CAS No: 99-87-6 EC No:202-796-7		
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 – H304, Aquatic Chronic 2 -H411		
1 - 5% Limonene	CAS No: 138-86-3	EC No: 205-341-0
Classification (EC 1272/2008)	Flam. Liq. 3 – H226, Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Asp. Tox. 1 – H304, Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air at once Get medical attention if any discomfort continues.
Ingestion	No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident. Seek medical advice if discomfort occurs.
Skin Contact	If necessary remove contaminated clothing and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues. Ingestion: If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.
4.2 Most important symptoms and effects, both acute and delayed	
No additional data available.	
4.3 Indication of any immediate medical attention and special treatment needed	
No specific first aid measures noted.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Suitable extinguishing media: dry chemical powder. foam. carbon dioxide (CO ₂).	
5.2 Special hazards arising from the product	
Containers close to fire should be removed or cooled with water. No unusual fire or explosion hazards noted. When heated and in case of fire, toxic vapours/gases may be formed.	
5.3 Advice for firefighters	
Self contained breathing apparatus and full protective clothing must be worn in case of fire.	

06. ACCIDENTAL RELEASE MEASURES


6.1 Personal precautions, protective equipment and emergency procedures	
Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.	
6.2 Environmental Precautions	
Avoid discharge into water courses or onto the ground.	

6.3 Methods and material for containment and cleaning up.
Absorb with inert, damp, non-combustible material, and then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water.
6.4 Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working Area. Adopt best manual handling considerations when handling, carrying and dispensing.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station and safety shower.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Hand Protection	Protective gloves should be used if there is a risk of direct contact or splash.
Eye Protection	If risk of splashing, wear safety goggles or face shield.
Other Protection	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Avoid skin contact. Wear suitable protective clothing.
Environmental Exposure Controls	Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Mobile liquid
Colour	Light yellow to amber
Odour	Fresh herbaceous woody with earthy undertone

Relative Density	~0.940 @ 20°C
Flash Point (°C)	60.0
Refractive Index	~1.500@ 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	No additional data available.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data available.	
10.2 Chemical stability	
Stable under normal temperature conditions.	
10.3 Possible hazardous reactions	
No additional data available.	
10.4 Conditions to Avoid	
Avoid heat, flames and other sources of ignition.	
10.5 Incompatible materials	
Avoid strong oxidising substances. Strong acids. Strong Alkalis.	
10.6 Hazardous Decomposition Products	
In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	No data available on this product. It must be considered, handled and should be dealt with the highest possible caution.
Skin corrosion / irritation	Causes skin irritation. May cause an allergic skin reaction.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
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	Ingestion: May be fatal if swallowed and enters airways Ingestion MEDICAL CONSIDERATIONS: Persons with rash are directed to skin expert for examination of allergic eczema.


12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long lasting effects.
12.2 Persistence & degradability
No additional data available.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
The product is insoluble in water.
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
Do not pour into drains or waterways. Waste is suitable for incineration. . Dispose of in accordance with local, regional and national regulations. Seek expert advice.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	UN 1169
UN No. SEA	UN 1169
UN No. AIR	UN 1169
14.2 UN proper shipping name	
EXTRACTS, AROMATIC, LIQUID.	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class: 3: Flammable liquid. IMDG Class: 3: Flammable liquid. ICAO Class/Division: 3: Flammable liquid.	
Transport Labels	
	
14.4 Packing group	
ADR/RID/ADN Packing group III IMDG Packing group III ICAO Packing group III	
14.5 Environmental hazards	

Environmentally Hazardous Substance/Marine Pollutant



14.6 Special precautions for user

ADR Tunnel restriction code: (D/E)
ADR Hazard No: 30
ADR Label No: 3
HazChem Code: •3YE
EMS: F-E, S-D

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

No additional data available.

15. REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Other Information	None.
Revision Date	December 6, 2016
Reason for revision	New SDS.
Rev No/Repl, SDS Generated	01

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