



Safety Data Sheet

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

1.1 Product Identifier

Product Name	Ginger Oil				
Biological Definition	Zingiber Officinale Oil is the volatile oil obtained from the dried rhizomes of the Ginger, <i>Zingiber officinale L.</i> , <i>Zingiberaceae</i>				
INCI Name	Zingiber Officinale Root Oil				
Synonyms & Trade Names	-				
CAS-No	8007-08-7	EC No.	-	EINECS No.	-

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 displayed in Section 16.

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
 Human health Skin Sens. 1 - H317; Asp. Tox. 1 - H304
 Environment Aquatic Acute 2 - H401; Aquatic Chronic 3 - H412

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Warning.

Contains

1,8-cineole
 a-farnesene
 Alpha pinene natural
 AR-Curcumene
 a-zingiberene
 b-bisabolene
 Beta Pinene
 b-sesquiphellandrene
 Camphene
 Limonene

	Myrcene (7-methyl-3-methyleneocta-1,6-diene).
Hazard Statements	
<p>H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H401 Toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.</p>	
Precautionary Statements	
<p>P280 Wear protective gloves/protective clothing/eye protection/face protection. P262 Do not get in eyes, on skin, or on clothing. P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting..</p>	
Supplementary Precautionary Statements	
<p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P302+352 IF ON SKIN: Wash with plenty of soap and water. P321 Specific treatment (see ... on this label). P333+313 If skin irritation or rash occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/container to</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	
5.0 – 10.0% 1.8-Cineole CAS-No.: 470-82-6 EC No.: 207-431-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Eye Irrit. 2 - H319	
5.0 – 10.0% a-farnesene CAS: 97885-54-6, EC: -	
Classification (EC 1272/2008) -	
1.0 - 5.0% Alpha pinene natural CAS: 80-56-8, EC: 201-291-9	
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410.	
5.0 – 10.0% AR-Curcumene CAS: 4176-17-4, EC: -	
Classification (EC 1272/2008) -	
30.0 -60.0% a-zingiberene CAS: 495-60-3, EC: 207-804-2	
Classification (EC 1272/2008) -	

<p>5.0 – 10.0% b-bisabolene CAS: 495-61-4, EC: -</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304</p>
<p><1.0% beta-Pinene CAS: 127-91-3, EC: 204-872-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410</p>
<p>10.0 – 30.0% b-sesquiphellandrene CAS: 20307-83-9, EC: -</p> <p>Classification (EC 1272/2008) -</p>
<p>5.0 – 10.0% Camphene CAS: 79-92-5, EC: 201-234-8</p> <p>Classification (EC 1272/2008) Flam. Liq. 2 - H225, Eye Irrit. 2 - H319, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410</p>
<p>1.0 – 5.0% Limonene CAS: 5989-27-5, EC: 227-813-8</p> <p>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</p>
<p><1.0% Myrcene (7-methyl-3-methylenoocta-1,6-diene) CAS: 123-35-3, EC: 204-622-5</p> <p>Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Aquatic Chronic 3 - H412</p>

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Drink plenty of water. DO NOT induce vomiting. Get medical attention immediately.
Skin Contact	Remove contaminated clothing. 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.

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 additional data available.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

EXTINGUISHING MEDIA

Use as appropriate: Foam, dry powder, water jet spray.

5.2 Special hazards arising from the product
No additional data available.
5.3 Advice for firefighters
Use appropriate respiratory equipment.

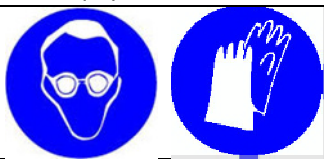
06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective clothing as described in Section 8 of this safety data sheet.
6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
Absorb with inert, non-combustible, inorganic absorbant material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.
6.4 Reference to other sections
No additional data available.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
No additional data available.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place.
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.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Respiratory protection may be required.
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Provide eyewash station.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure	Avoid discharging into drainage water. Only eliminate by authorised companies.

Controls	
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09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Mobile liquid.
Colour	Yellow to yellow brown.
Odour	Characteristic.
Relative Density	0.870 – 0.882 @ 20°C
Flash Point (°C)	57°C
Refractive Index	1.480 to 1.494 @ 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

No additional data available.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possible hazardous reactions

No additional data available.

10.4 Conditions to Avoid

Heat, sparks and open flames.

10.5 Incompatible materials

Strong reducing agents. Strong oxidising agents. Strong bases.

10.6 Hazardous Decomposition Products

No additional data available.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	No additional data available.
Skin corrosion / irritation	No additional data available.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	No additional data available.
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	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
We have no data regarding ecotoxicity, but it must be considered that this product may be dangerous for the environment.
12.2 Persistence & degradability
No additional data available.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
Not applicable.
12.6 Other adverse effects
No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
DISPOSAL METHODS Dispose of in compliance with all local and national regulations..

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not regulated.
UN No. SEA	Not regulated.
UN No. AIR	Not regulated.
14.2 UN proper shipping name	
None.	
14.3 Transport hazard class(es)	
Not regulated.	
14.4 Packing group	
Not required.	
14.5 Environmental hazards	
None.	
14.6 Special precautions for user	
None.	
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	H319 Causes serious eye irritation. H315 Causes skin irritation. H226 Flammable liquid and vapour. H412 Harmful to aquatic life with long lasting effects. H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life.
Other Information	None
Revision Date	March 17, 2016
Reason for revision	Update to new format
Rev No/Repl, SDS Generated	02

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