



Safety Data Sheet

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

1.1 Product Identifier

Product Name		Juniperberry Oil			
Biological Definition		Juniperus Communis Fruit Oil is the volatile oil obtained from the berries of the Juniper, <i>Juniperus communis L., Cupressaceae.</i>			
INCI Name		Juniperus Communis Fruit Oil			
Synonyms & Trade Names		-			
CAS-No	8002-68-4 / 73049-62-4 / 84603-69-0	EC No.	- / - / 283-268-3	EINECS No.	- / - / 283-268-3

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

Flavour and fragrance.

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

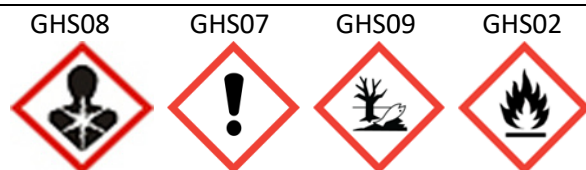
The Full Text for all Hazard Statements displayed in Section 16.

Classification (EC 1272/2008)

H226 Flammable liquid and vapour
 H302 Acute toxicity oral, Category 4
 H312 Acute toxicity dermal, Category 4
 H332 Acute toxicity inhalation, Category 4
 H315 Skin irritation, Category 2
 H319 Eye irritation, Category 2A
 H317 Skin sensitisation, Category 1
 H304 Aspiration hazard, Category 1
 H400 Environmental hazard, Acute, Category 1
 H410 Environmental hazard, Chronic, Category 1

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger

Contains

ALPHA PINENE, BETA PINENE, LIMONENE

Hazard Statements	
<p>H226 Flammable liquid and vapour H302 Harmful if swallowed H312 Harmful in contact with skin H332 Harmful if inhaled H315 Causes skin irritation H319 Causes serious eye irritation H317 May cause an allergic skin reaction H304 May be fatal if swallowed and enters airways H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects</p>	
Precautionary Statements	
<p>P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking P261 Avoid breathing dust/fume/gas/mist/vapour/spray P264 Wash thoroughly after handling P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well-ventilated area P273 Avoid release to the environment P280 Wear protective gloves/protective clothing/eye protection/face protection P301/310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician P301/312 IF SWALLOWED: call a POISON CENTRE or doctor/physician if you feel unwell P302/352 IF ON SKIN: Wash with plenty of soap and water P304/340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing P305/351/358 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 CENTRE or doctor/physician if you feel unwell. P330 Rinse mouth P331 Do not induce vomiting P333/313 If skin irritation or rash occurs: Get medical advice/attention P337/313 If eye irritation persists: Get medical advice/attention P391 Collect spillage.</p>	
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

3.2 Mixtures
<p>25.0 - 50.0% Alpha-pinene CAS-No.: 80-56-8 EC No.: 201-291-9</p> <p>Classification (EC 1272/2008) FL 3, ATO 5, SCI 2, SS 1B, AH 1</p>
<p>25.0 - 50.0% Beta-pinene CAS-No.: 127-91-3 EC No.: 204-872-5</p> <p>Classification (EC 1272/2008) FL 3, ATO 5, SCI 2, SS 1B, AH 1</p>
<p>1.0 - 5.0% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5</p> <p>Classification (EC 1272/2008) FL 3, SCI 2, SS 1B, AH 1, EH A1, EH C1</p>

5.0 – 10.0% Phellandrenes CAS: 99-83-2, EINECS: 202-792-5 Classification (EC 1272/2008) FL 3, SCI 3, AH 1
1.0 - 5.0% Alpha-Terpineol CAS-No.: 98-55-5 EC No.: 202-680-6 Classification (EC 1272/2008) FL 4, ATO 5, SCI 2, EDI 2A, EH, A2
1.0 - 5.0% Terpinolene CAS-No.: 586-62-9 EC No.: 209-578-0 Classification (EC 1272/2008) FL 3, ATO 5, SCI 3, AH 1, EH A2, EH C2
0.1 - 1.0% Myrcene CAS-No.: 123-35-3 EC No.: 204-622-5 Classification (EC 1272/2008) FL 3, SCI 2, EDI 2A, AH 1
0.1 - 1.0% Camphene CAS-No.: 79-92-5 EC No.: 201-234-8 Classification (EC 1272/2008) SCI 3, EDI 2A, EH C1, EH A1, FS 2
0.1 - 1.0% Para-Cymene CAS-No.: 99-87-6 EC No.: 202-796-7 Classification (EC 1272/2008) FL 3, ATO 5, SCI 3, AH 1, EH A2, EH C2
0.1 - 1.0% Eugenol CAS-No.: 97-53-0 EC No.: 202-589-1 Classification (EC 1272/2008) ATO 5, SCI 3, EDI 2A, SS 1, EH A2
0.1 - 1.0% Methyl chavicol (Estragole) CAS-No.: 140-67-0 EC No.: 205-427-8 Classification (EC 1272/2008) FL 4, ATO 4, SCI 3, SS 1B, MUT 2, CAR 2
0.1 - 1.0% Terpinene-4-ol (4-Terpineol) CAS-No.: 562-74-3 EC No.: 209-235-5 Classification (EC 1272/2008) FL 4, ATO 4, ATD 5, SCI 2, EDI 2A, EH A3
0.1 - 1.0% Beta-Caryophyllene CAS-No.: 87-44-5 EC No.: 201-746-1 Classification (EC 1272/2008) SCI 3, AH 1
Trace - 0.1% Eugenyl acetate CAS-No.: 93-28-7 EC No.: 202-235-6 Classification (EC 1272/2008) ATO 4, SCI 3

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove casualty to fresh air, remove any contaminated clothing. Seek medical advice for any breathing difficulty.
Ingestion	Rinse mouth with water and give up to 0.2 litres of water to drink. Do NOT induce vomiting. Seek medical advice immediately.

Skin Contact	Wash off affected area with soap and running water. If irritation persists seek medical advice.
Eye Contact	Irrigate eye with plenty of water for 15 minutes with lids held open. Seek medical advice if irritation persists.
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	Fire can be extinguished using: Foam, carbon dioxide or dry powder.
5.2 Special hazards arising from the product	Smoke, Carbon Dioxide, Carbon Monoxide.
5.3 Advice for firefighters	Containers close to the fire should be removed or cooled with water.

06. ACCIDENTAL RELEASE MEASURES


6.1 Personal precautions, protective equipment and emergency procedures	Use respirators if necessary and suitable protective clothing including goggles and gloves.
6.2 Environmental Precautions	Avoid contamination of drains. Dispose of in accordance with local regulations. In the event of any discharge into drains notify the relevant Authorities.
6.3 Methods and material for containment and cleaning up.	Gather spill in inert material, sand or earth.
6.4 Reference to other sections	See point 4, 8 & 13.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	Use in a well ventilated area away from sources of ignition in accordance with good occupational hygiene and safety practices. NO SMOKING.
7.2 Conditions for safe storage, including any incompatibilities	Well filled tightly stoppered containers away from heat, light and ignition. Recommended storage at ambient temperature.
7.3 Specific end use(s)	No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	Not determined.
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8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
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	Safety gloves.
Eye Protection	Safety glasses or goggles.
Other Protection	Light protective clothing.
Hygiene Measures	Good housekeeping and work hygiene principles should be used when handling this material.
Personal Protection	Protective work clothing solvent resistant (should be checked regularly).
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid
Colour	Pale yellowish / yellow
Odour	Fresh rich balsamic woody piney
Relative Density	0.850 - 0.890 @ 20°C
Flash Point (°C)	35
Refractive Index	1.460 - 1.490 @ 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

Stable under normal conditions.

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 contact with strong oxidising materials.
10.6 Hazardous Decomposition Products
In case of fire, toxic gasses (CO, CO ₂ , NO _x) may be formed.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	No specific health warnings noted.
Skin corrosion / irritation	No specific health warnings noted.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	No specific health warnings noted.
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	No additional data available.

12. ECOLOGICAL INFORMATION



12.1 Toxicity	
Very toxic to aquatic life with long lasting effects. May cause long-term adverse effects in the aquatic environment. When spilled can contaminate soil, ground and surface water.	
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	
No additional data available.	
12.6 Other adverse effects	
No additional data available.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Dispose of according to the regulations in your area. Do not discard into drainage systems or elsewhere into the environment.	

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169

14.2 UN proper shipping name
Extracts, aromatic, liquid
14.3 Transport hazard class(es)
<p>ADR/RID/ADN – Class 3 ADR/RID/ADN – Class 3 IMDG – Class 3 ICAO – Class 3</p> <p>Transport Labels</p>  <p>TUNNEL RESTRICTION CODE (D/E) HAZCHEM CODE •3YE EMS F-E, S-D</p>
14.4 Packing group
<p>ADR/RID/ADN Packing group – III IMDG Packing group – III ICAO Packing group – III</p>
14.5 Environmental hazards
<p>Environmentally Hazardous Substance/Marine Pollutant</p> 
14.6 Special precautions for user
None
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
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15. REGULATORY INFORMATION

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

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 H302 Harmful if swallowed H312 Harmful in contact with skin H332 Harmful if inhaled H315 Causes skin irritation H319 Causes serious eye irritation H317 May cause an allergic skin reaction H304 May be fatal if swallowed and enters airways H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects.
Other Information	None
Revision Date	September 8, 2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.