



Safety Data Sheet

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

1.1 Product Identifier

Product Name	Yarrow Oil				
Biological Definition	Achillea Millefolium Oil is the essential oil obtained from the flowering herb of the Yarrow, <i>Achillea millefolium</i> L., Asteraceae.				
INCI Name	Achillea Millefolium Oil				
Synonyms & Trade Names	Milfoil oil				
CAS-No	8022-07-9 / 84082-83-7	EC No.	- / 282-030-6	EINECS No.	- / 282-030-6

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

Cosmetics, aroma therapy, food ,flavours.

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

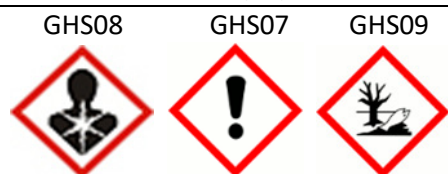
The full text for all hazard statements is displayed in Section 16.

Classification (EC 1272/2008)

Physical and Chemical Hazards: Not classified.
Human health: Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, STOT SE 2 H371
Environment: Aquatic Chronic 2 H411

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger.

Contains

beta-Pinene.

Hazard Statements

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H371 May cause damage to organs.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements	
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 P260 Do not breathe dust/fume/gas/mist/vapours/spray. P501 Dispose of contents in accordance with local, state or national legislation. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P321 Specific treatment (see Medical Advice on this label). 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 P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor. P273 Avoid release to the environment. P391: Collect spillage.	
Supplementary Precautionary Statements	
P264 Wash hands and exposed skin thoroughly after handling. P332+P313 If skin irritation occurs: Get medical advice/attention	
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	
15.0 – 25.0% Camphor	CAS No: 76-22-2 EC No: 200-945-0
Classification (EC 1272/2008)	Flam. Sol. 2 -H228, Acute Tox. 4 -H332, STOT SE 2 -H371
10.0 – 20.0% beta-Pinene	CAS No: 127-91-3 EC No: 204-872-5
Classification (EC 1272/2008);	Danger, Flam. Liq. 3 – H226, Asp Tox. 1 – H304, Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 – H410
5.0 – 10.0% alpha-Thujene	CAS No: 2867-05-2 EC No. 220-686-7
Classification (EC 1272/2008)	Flam. Liq. 3 H226, Acute Tox. 4 H302, Skin Sens. 1B H317, Aquatic Chronic 2 H411
<1.0% Limonene	CAS No: 5989-27-5 EC No: 227-813-5
Classification (EC 1272/2008)	H226 Flam. Liq. 3 H226, Asp. Tox. 1, Skin Irrit. 2 H315, Skin Sens. 1 – H317, H400 Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove from exposure area to fresh air. Get medical advice/attention.
Ingestion	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention if symptoms persist.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/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 advice/attention. Continue to rinse.
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: Carbon dioxide (CO ₂). Dry Chemical Powder. Sand. Unsuitable extinguishing media: Water. Water with full jet.
5.2 Special hazards arising from the product	When heated and in case of fire, irritating vapours/gases may be formed.
5.3 Advice for firefighters	Avoid inhalation of generated fumes or vapours. Use appropriate respiratory equipment. Do not allow spillage into drains or waterways.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
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.	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations. Do not flush with water or aqueous cleansing agents.
6.4 Reference to other sections	Sections 8 and 12

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	Ensure good ventilation/exhaustion at the workplace. Do not smoke, drink, eat when using. Keep away from sources of ignition. Protect against electrostatic charges.
7.2 Conditions for safe storage, including any incompatibilities	Keep containers tightly sealed. Store in cool, dry conditions in well sealed containers. Keep away from heat. Keep away from sources of ignition - No smoking.
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



Goggles



Gloves



Overalls

Process Conditions	Provide adequate ventilation.
Engineering Measures	No additional data available.
Respiratory Equipment	Ensure area is well ventilated. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Hand Protection	Wear protective gloves to avoid skin contact.
Eye Protection	Wear tightly sealed safety goggles or face shield.
Other Protection	No additional data available.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid contact with eyes and skin.
Skin Protection	Wear protective clothing to avoid skin contact.
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 blue to dark blue.
Colour	Blue to dark blue.
Odour	Characteristic
Relative Density	Approx. 0.910 @ 20°C
Flash Point (°C)	62
Refractive Index	Approx. 1.477 @ 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	Miscible or difficult to mix.
Auto-ignition temperature (°C)	Product does not self ignite.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No significant reactivity hazard under proper handling.

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Possible hazardous reactions
Not expected under normal temperature conditions and recommended use.
10.4 Conditions to Avoid
No additional data available.
10.5 Incompatible materials
Avoid strong acids, alkalis and oxidising agents.
10.6 Hazardous Decomposition Products
In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	No additional data available.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	Skin - May cause an allergic skin reaction.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
STOT-single exposure	May cause damage to organs.
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

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	
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	
Do not release into the environment in large quantities. Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude soil or waters.	

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	3082
UN No. SEA	3082
UN No. AIR	3082
14.2 UN proper shipping name	
ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class	9
IMDG Class	9
ICAO Class/Division	9
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	
This product is dangerous for the environment. Tunnel Restriction Code (E)	
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
<u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716). <u>Approved Code of Practise</u> Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations. <u>Guidance Notes</u> CHIP for everyone HSG(108). Workplace Exposure Limits EH40 <u>EU Legislation</u>

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 data available

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H226 Flammable Liquid and vapour H228 Flammable solid. H302 Harmful if swallowed. 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. H332 Harmful if inhaled. H371 May cause damage to organs. 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	-
Revision Date	July 11, 2017
Reason for revision	Updated SDS
Rev No/Repl, SDS Generated	02, replaces 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.