















Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Helichrysum Oil			
Biological Definition		Helichrysum Italicum Flower Oil is the volatile oil obtained from the flowers of <i>Helichrysum italicum</i> , Asteraceae.			
INCI Name		Helichrysum Italicum Flower Oil			
Synonyms & Trade Names					
CAS-No	90045-56-0	EC No.	289-918-2	EINECS No.	289-918-2
1.2 Relative identified uses of the substance or mixture and uses advised against					
Perfumes, fragrances.					
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.									
<u>Human health</u> May cause lung damage if swallowed May cause sensitisation by skin contact.									
<u>Environment</u> The product contains a substance which may cause long term adverse effects in the aquatic environment.									
Classification (EC 1272/2008)									
Physical and Chemical Hazards: Flam. Liq. 3 (H226) Human health: Asp. Tox. 1 – (H304) Skin Sens. 1 (H317) Environment : Aquatic Chronic 1 (H410)									
2.2 Label Elements									
Label in accordance with (EC) No 1272/2008									
<table style="width: 100%; text-align: center;"> <tr> <td>GHS07</td> <td>GHS02</td> <td>GHS08</td> <td>GHS09</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		GHS07	GHS02	GHS08	GHS09				
GHS07	GHS02	GHS08	GHS09						
									
Signal Word	Danger								
Contains	Limonene, linalool, α -pinene								
Hazard Statements									
H224 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.
Precautionary Statements	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280	Wear protective gloves/protective clothing and eye/face protection.
P301/P330/P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTER or doctor/physician.
P273	Avoid release to the environment.
P501	Dispose of contents/container to regional, national regulation.
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

3.1 Substances	
20.0 - 30.0% alpha-Pinene	CAS-No.: 80-56-8 EC No.: 201-291-9
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304	
1.0 - 4.0% Limonene	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	
<4% Linalool	CAS-No.: 78-70-6 EC No.: 201-134-4
Classification (EC 1272/2008) Skin Irrit. 2 - H315	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove immediately from source of exposure into fresh air. Seek medical attention immediately
Ingestion	DO NOT INDUCE VOMITING! Rinse mouth and provide fresh air. Seek medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention immediately.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	
Observe risk of aspiration if vomiting occurs.	
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media: Carbon dioxide (CO ₂). Powder. Foam. Unsuitable extinguishing media: Full water jet.
5.2 Special hazards arising from the product
B (Fires of liquids or liquid turning substances). In case of fire toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke
5.3 Advice for firefighters
Move undamaged containers from immediate hazard area if it can be done safely. Wear suitable breathing apparatus. Wear suitable equipment for self protection.


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. Give a warning to persons in the hazard area. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Give warning to all persons in hazard area if spillage occurs.
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.
Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
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
Handle in accordance with good hygiene and safety practice. Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges. When using, do not smoke, drink or eat. Wear suitable clothing to avoid contact with skin, eyes and clothing. Avoid inhalation of product vapours. Provide adequate ventilation of working area.
7.2 Conditions for safe storage, including any incompatibilities
Keep product tightly closed in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light.
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
No additional data available

Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	If ventilation is insufficient, use respiratory equipment.
Hand Protection	Wear Chemical resistant gloves (PVC) according to EN374
Eye Protection	Wear approved safety 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	Avoid contact with skin and eyes. Avoid inhalation of vapours.
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	Mobile Liquid
Colour	Colourless to yellowish
Odour	Characteristic
Relative Density	0.875 - 0.925 @ 20°C
Flash Point (°C)	40
Refractive Index	1.470 - 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. Soluble in ethanol at a ratio of 1:3
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 the recommended handling and storage conditions.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

No hazardous reactions at proper usage and handling.

10.4 Conditions to Avoid

Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.

10.5 Incompatible materials

No additional data available

10.6 Hazardous Decomposition Products

No dangerous decomposition products known.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	LD50 (oral) in mg/kg: > 5000 LD50 (dermal) in mg/kg: > 5000
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	No additional data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
No additional data available	
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	
Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-2	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Collect and dispose of waste product in accordance with local authority guidelines using a hazardous chemical disposal company. Product remainders should not intrude soil or waters.	

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)	
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 (Substances presenting low danger)
IMDG Packing group	III (Substances presenting low danger)
ICAO Packing group	III (Substances presenting low danger)

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6 Special precautions for user

See sections 6-8

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

Packed and transferred according to transport regulations.

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	H224 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.
Other Information	None
Revision Date	July 30, 2015

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

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