



Safety Data Sheet

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

1.1 Product Identifier

Product Name	Sage Oil Dalmation				
Biological Definition	The volatile oil steam distilled from the leaves of <i>Salvia officinalis</i> L.				
INCI Name	Salvia officinalis oil				
Synonyms & Trade Names	Sage oil Dalmatian				
CAS-No	8016-64-6	EC No.	282-025-9	EINECS No.	282-025-9

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.

Human health

May be fatal if swallowed and enters airways.

Environment

The product contains a substance which is toxic to aquatic life and may cause long term adverse effects.

Classification (EC 1272/2008)

Flam. Liq. 3	H226 Flammable liquid and vapour.
STOT SE 2	H371 May cause damage to organs.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.
Acute Tox. 4	H302 Harmful if swallowed.
Skin Irrit. 2	H315 Causes skin irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS08



GHS09



GHS07



GHS02



Signal Word

Danger

Contains

Thujone, Eucalyptol, Camphor, pin-2(3)-ene

Hazard Statements

H226 Flammable liquid and vapour.

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H371	May cause damage to organs.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplementary Precautionary Statements

2.3 Other Hazards

PBT or vPvB according to Annex XIII	Not applicable
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

25-50% Thujone CAS: 546-80-5 EINECS: 208-912-2

Classification (EC 1272/2008): Acute Tox. 4, H302

10-25% Camphor CAS: 21368-68-3 EINECS: 244-350-4

Classification (EC 1272/2008): Flam. Sol. 2, H228; STOT SE 2, H371; Acute Tox. 4, H302; Acute Tox. 4, H332

10-25% Eucalyptol CAS: 470-82-6 EINECS: 207-431-5

Classification (EC 1272/2008): Flam. Liq. 3, H226; Skin Sens. 1, H317

2.5-10% pinenes CAS: 80-56-8 EINECS: 201-291-9

Classification (EC 1272/2008): Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317

2.5-10% beta-caryophyllene CAS: 87-44-5 EINECS: 201-746-1

Classification (EC 1272/2008): Asp. Tox. 1, H304

2.5-10% Camphene CAS: 79-92-5 EINECS: 201-234-8

Classification (EC 1272/2008): Flam. Sol. 1, H228; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Irrit. 2, H319.

2.5-10% DL-borneol CAS: 507-70-0 EINECS: 208-080-0

Classification (EC 1272/2008): Flam. Sol. 2, H228
<p>≤ 2.5% beta pinene CAS: 127-91-3 EINECS: 204-872-5</p> <p>Classification (EC 1272/2008): Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317</p>
<p>≤ 2.5% bornyl acetate CAS: 76-49-3 EINECS: 200-964-4</p> <p>Classification (EC 1272/2008): Aquatic Chronic 2, H411; Skin Irrit. 2, H315</p>
<p>≤ 2.5% d-limonene CAS: 5989-27-5 EINECS: 227-813-5</p> <p>Classification (EC 1272/2008): Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317</p>
<p>≤ 2.5% p-cymene CAS: 99-87-6 EINECS: 202-796-7</p> <p>Classification (EC 1272/2008): Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411</p>

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove immediately from source of exposure. Seek medical attention if any discomfort continues.
Ingestion	Do not give milk or fatty oils. Immediately 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 if any discomfort continues or there is sign of tissue damage.
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	
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). Powder. Water spray. For larger fires, use water spray or alcohol resistant foam. Unsuitable extinguishing media: Full water jet.	
5.2 Special hazards arising from the product	
Carbon monoxide (CO) may be formed.	
5.3 Advice for firefighters	
No special measures required.	

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. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.	

6.2 Environmental Precautions
Inform respective authorities in case of seepage into water course or sewage system. Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
6.4 Reference to other sections
Section 7 – for safe handling Section 8 – for personal protection Section 13 – for safe disposal

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Ensure ventilation is good. Keep away from food, drink and animal feed products. When using do not smoke. Avoid sources of ignition and contact with skin and eyes. Handle in accordance with good hygiene and safety practice.
7.2 Conditions for safe storage, including any incompatibilities
Keep product in its original container well sealed, in a dark, dry, ventilated area, away from potential sources of ignition and protected from light. Stock according to local / national regulations and always follow the precautions indicated on labels.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	No special measures required.
Hand Protection	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be

	calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye Protection	Wear approved safety goggles.
Other Protection	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Wear appropriate equipment to avoid contact with skin and eyes.
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	Liquid
Colour	Colourless to pale yellow
Odour	Characteristic – camphorated, spicy
Relative Density	0.910 - 0.930 @ 20°C
Flash Point (°C)	57
Refractive Index	1.458 - 1.474 @ 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.
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 the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
No dangerous reactions known.	
10.4 Conditions to Avoid	
No additional data available	
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	No additional data available
Skin corrosion / irritation	Irritant to skin and mucous membranes.
Serious eye damage / irritation	No additional data available
Respiratory or skin sensitisation	Sensitisation possible through skin contact.
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	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful Irritant

12. ECOLOGICAL INFORMATION



12.1 Toxicity	
Toxic for fish. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.	
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	
Do not allow product to enter streams, sewers or other waterways.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.	
Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.	

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	1993
UN No. SEA	1993
UN No. AIR	1993

14.2 UN proper shipping name		
ADR	FLAMMABLE LIQUID, N.O.S. (not viscous) (alpha- PINENE, Thujone), ENVIRONMENTALLY HAZARDOUS	
IMDG	FLAMMABLE LIQUID, N.O.S. (alpha-PINENE, Thujone), MARINE POLLUTANT	
IATA	FLAMMABLE LIQUID, N.O.S. (alpha-PINENE, Thujone)	
14.3 Transport hazard class(es)		
ADR/RID/ADN Class:	3: (F1) Flammable liquids	
IMDG Class:	3: Flammable liquids	
ICAO Class/Division:	3: Flammable liquids	
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; Camphene		
		
14.6 Special precautions for user		
Warning: flammable liquids		
EMS Number :	F-E, S-D	
Danger Code (Kemler):	36	
Tunnel restriction code:	D/E	
	Limited Quantities (LQ)	Excepted Quantities (EQ)
ADR & IMDG	5L	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation"	UN1993, FLAMMABLE LIQUID, N.O.S. (not viscous) (alpha-PINENE, Thujone), ENVIRONMENTALLY HAZARDOUS, 3, III	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code		
Not applicable		

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. 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	None
Revision Date	July 10, 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.