

# Sage dalmatian essential oil

## Safety Data Sheet

### SECTION 1: Identification

#### 1.1. Identification

Product form : Substance  
Substance name : Sage Dalmation (Officinalis) Oil  
CAS No : 8022-56-8

#### 1.2. Recommended use and restrictions on use

Recommended use : Ingredient used in Flavors and Fragrances.

#### 1.3. Supplier

Camden-Grey Essential Oils, Inc.  
5751 Halifax Ave., Unit 2  
Fort Myers, FL 33912  
[www.camdengrey.com](http://www.camdengrey.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN330

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids, Category 3	Flammable liquid and vapour
Acute toxicity (oral), Category 4	Harmful if swallowed
Acute toxicity (inhal.), Category 4	Harmful if inhaled
Skin corrosion/irritation, Category 2	Causes skin irritation
Sensitisation — Skin, category 1	May cause an allergic skin reaction
Specific target organ toxicity — Single exposure, Category 2	May cause damage to organs
Aspiration hazard, Category 1	May be fatal if swallowed and enters airways
Hazardous to the aquatic environment — Chronic Hazard, Category 3	Harmful to aquatic life with long lasting effects

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS07

GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Flammable liquid and vapour  
Harmful if swallowed or if inhaled  
May be fatal if swallowed and enters airways  
Causes skin irritation  
May cause an allergic skin reaction  
May cause damage to organs  
Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/Bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/... equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Do not breathe dust/fume/gas/mist/vapours/spray  
Avoid breathing dust/fume/gas/mist/vapours/spray  
Wash ... thoroughly after handling  
Do not eat, drink or smoke when using this product

# Safety Data Sheet

Use only outdoors or in a well-ventilated area  
Contaminated work clothing must not be allowed out of the workplace  
Avoid release to the environment  
Wear protective gloves/protective clothing/eye protection/face protection  
If swallowed: Immediately call a poison center/doctor/...  
If swallowed: Call a poison center/doctor/... if you feel unwell  
If on skin: Wash with plenty of water/...  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
Call a poison center/doctor/... if you feel unwell  
Specific treatment (see ... on this label)  
Rinse mouth  
Do NOT induce vomiting  
If skin irritation occurs: Get medical advice/attention  
If skin irritation or rash occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse  
Wash contaminated clothing before reuse  
In case of fire: Use ... to extinguish  
Store in a well-ventilated place. Keep cool  
Store locked up  
Dispose of contents/container to ...

## 2.3. Other hazards which do not result in classification

No additional information available

## 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Name : Sage Dalmation (Officinalis) Oil  
CAS No : 8022-56-8

Name	Product identifier	%	GHS-US classification
Thujone	(CAS No) 546-80-5	25 - 50	Acute Tox. 4 (Oral), H302
Camphor L(XN68)+10% X	(CAS No) 76-22-2	10 - 25	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:gas), H332 STOT SE 2, H371
CAMPHENE	(CAS No) 79-92-5	2.5 - 10	Eye Irrit. 2A, H319 Aquatic Chronic 1, H410
BETA-CARYOPHYLLENE	(CAS No) 87-44-5	2.5 - 10	Asp. Tox. 1, H304
PINENES ( ALPHA OR BETA)		2.5 - 10	Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of classification categories and H statements : see section 16

### 3.2. Mixture

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.

First-aid measures after inhalation : Do not proceed with mouth-to-mouth or nose-to-mouth resuscitation. Use the appropriate equipment. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Watch out for any remaining product between skin and clothing, watches, shoes, etc. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital. In the event of an allergic reaction, seek medical attention.

First-aid measures after eye contact : Wash thoroughly with soft, clean water for 15 minutes holding eye lids open.

# Safety Data Sheet

First-aid measures after ingestion : Do not give patient anything orally. If accidentally swallowed obtain immediate medical attention. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with lukewarm water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. If swallowed, seek medical advice immediately and show this container or label.

## 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries after inhalation : Exposure to vapours from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/injuries after skin contact : May cause irreversible damage to skin: namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Symptoms/injuries after eye contact : Splashes in the eyes may cause irritation and reversible local damage.

Symptoms/injuries after ingestion : Harmful if swallowed. May cause damage to organs.

## 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : ABC-powder. BC-powder. Carbon dioxide. Foam. Halons. Water with AFFF (Aqueous Film Forming Foam) additive.

Unsuitable extinguishing media : Water. Water Jet.

### 5.2. Specific hazards arising from the chemical

Fire hazard : A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe smoke.

Reactivity : In the event of a fire, carbon monoxide can be formed. In the event of a fire, carbon dioxide may be formed.

### 5.3. Special protective equipment and precautions for fire-fighters

No additional information available

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Do not breathe smoke.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment.

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Do not allow to enter drains or water courses. If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade). Use drums to dispose of collected waste in compliance with current regulations.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean preferably with a detergent - Avoid the use of solvents.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Prevent access by unauthorized personnel. Remove contaminated clothing. Vapours are heavier than air. The can spread along the ground and form mixtures that are explosive with air. Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Never open the packages under pressure.

# Safety Data Sheet

## 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Always keep in packaging made of an identical material to the original. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep container tightly closed. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area. Avoid the build-up of electrostatic charge.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Thujone (546-80-5)

Not applicable

#### Camphor L(XN68)+10% X (76-22-2)

Not applicable

#### PINENES ( ALPHA OR BETA)

Not applicable

#### CAMPHENE (79-92-5)

Not applicable

#### BETA-CARYOPHYLLENE (87-44-5)

Not applicable

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Gloves. Protective clothing. Protective goggles.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: colourless to yellow
Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 56 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: < 1
Solubility	: Insoluble.

# Safety Data Sheet

Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

In the event of a fire, carbon monoxide can be formed. In the event of a fire, carbon dioxide may be formed.

### 10.2. Chemical stability

This substance is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).

### 10.4. Conditions to avoid

humid air. Avoid accumulation of electrostatic charges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Water.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Inhalation: Harmful if inhaled.

<b>Sage Dalmation (Officinalis) Oil (8022-56-8)</b>	
ATE US (oral)	500.000 mg/kg bodyweight
ATE US (gases)	4500.000 ppmv/4h
ATE US (vapours)	11.000 mg/l/4h
ATE US (dust,mist)	1.500 mg/l/4h
<b>Thujone (546-80-5)</b>	
ATE US (oral)	500.000 mg/kg bodyweight
<b>Camphor L(XN68)+10% X (76-22-2)</b>	
ATE US (oral)	500.000 mg/kg bodyweight
ATE US (gases)	4500.000 ppmv/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause damage to organs.

Specific target organ toxicity (repeated exposure)	: Not classified
----------------------------------------------------	------------------

# Safety Data Sheet

Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: Exposure to vapours from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Symptoms/injuries after skin contact	: May cause irreversible damage to skin: namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
Symptoms/injuries after eye contact	: Splashes in the eyes may cause irritation and reversible local damage.
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause damage to organs.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects. Do not allow into drains or water courses.
-------------------	-------------------------------------------------------------------------------------------------

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming	: No known effects from this product.
GWPmix comment	: No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Do not contaminate ground and surface water. Do not allow into drains or water courses. Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Product/Packaging disposal recommendations	: Empty container completely. Keep label on container. Give to a certified disposal contractor.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Proper Shipping Name (DOT)	: EXTRACTS, AROMATIC, LIQUID
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
Other information	: No supplementary information available.

### TDG

Not regulated

### Transport by sea

Transport document description (IMDG)	: UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III
UN-No. (IMDG)	: 1169
Proper Shipping Name (IMDG)	: EXTRACTS, AROMATIC, LIQUID
Class (IMDG)	: 3 - Flammable liquids

# Safety Data Sheet

Packing group (IMDG) : III - substances presenting low danger

## Air transport

Transport document description (IATA) : UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III  
UN-No. (IATA) : 1169  
Proper Shipping Name (IATA) : EXTRACTS, AROMATIC, LIQUID  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : III - Minor Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### CAMPHERE (79-92-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### BETA-CARYOPHYLLENE (87-44-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

# Safety Data Sheet

Full text of H-statements:

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
H412	Harmful to aquatic life with long lasting effects

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.