

Safety Data Sheet

revision 11/30/2017

## **SECTION 1: Identification**

1.1. Identification

Product name : ROSEMARY OIL SPANISH WHC

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Industrial uses: Uses of substances as such or in preparations\* at industrial sites

## 1.3. Details of the supplier of the safety data sheet

Camden-Grey Essential Oils, Inc. 5751 Halifax Ave., Unit 2 Fort Myers, FL 33912 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

Flam. Liq. 3 H226 -Flammable liquid and vapour. Skin Irrit. 2 H315 -Causes skin irritation. Skin Sens. 1 H317 -May cause an allergic skin reaction. STOT SE 2 May cause damage to organs. H371 -Asp. Tox. 1 H304 -May be fatal if swallowed and enters airways. Aquatic Acute 2 H401 -Toxic to aquatic life Aquatic Chronic 2 H411 -Toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

### 2.2. Label elements

### **GHS-US** labelling

Hazard pictograms (GHS-US)



GHS07





Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H226 - Flammable liquid and vapour.

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.

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment

P241 - Explosion-free electrical equipment and lighting with earth

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P260 - Do not breathe gas, fumes, vapour or spray P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands thoroughly after handling

 $\ensuremath{\mathsf{P270}}$  - Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing must not be allowed out of the workplace

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor

P302+P352 - IF ON SKIN: Wash with plenty of water/...

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P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P321 - Specific treatment (see supplemental first aid instruction on this label)

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

P391 - Collect spillage.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose in a safe manner in accordance with local/national regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Eucalyptol	(CAS-No.) 470-82-6	25 - 50	Flam. Liq. 3, H226 Skin Sens. 1B, H317
alpha-Pinene	(CAS-No.) 80-56-8	10 - 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	(CAS-No.) 76-22-2	5 - 10	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT SE 2, H371
Camphene	(CAS-No.) 79-92-5	1 - 5	Flam. Sol. 2, H228 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CARYOPHYLLENE	(CAS-No.) 87-44-5	1 - 5	Asp. Tox. 1, H304
d-Limonene	(CAS-No.) 5989-27-5	1 - 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
alpha-Terpineol	(CAS-No.) 98-55-5	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Linalool	(CAS-No.) 78-70-6	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315
Myrcene	(CAS-No.) 123-35-3	1-5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H335 Asp. Tox. 1, H304
p-Cymene	(CAS-No.) 99-87-6	1 - 5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

## **SECTION 4: First aid measures**

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or

rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause an allergic skin reaction.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after ingestion : Risk of lung oedema.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Reactivity : On combustion, forms: carbon oxides (CO and CO2). Flammable liquid and vapour.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

## **SECTION 6: Accidental release measures**

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

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

smoking.

#### 6.1.1. For non-emergency personnel

Protective equipment : Gloves. Face shield. Protective clothing.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin

and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with

proper protection. For further information refer to section 8: "Exposure controls/personal

protection".

Emergency procedures : Ventilate area

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Additional hazards when processed

: Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling

: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid

breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures

: Proper grounding procedures to avoid static electricity should be followed. Explosion-free electrical equipment and lighting with earth. Ground/bond container and receiving equipment.

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Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Store in a well-

ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-22-2)			
ACGIH	ACGIH TWA (ppm)	2 ppm	
ACGIH	ACGIH STEL (ppm)	3 ppm	
ACGIH	Remark (ACGIH)	Eye & URT irr; anosmia	
OSHA	OSHA PEL (TWA) (mg/m³)	2 mg/m³	

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Gloves.

Eye protection : Chemical goggles or safety glasses. Protective goggles.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

Other information : Do not eat, drink or smoke during use.

## 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 : There may be no odour warning properties, odour is subjective and inadequate to warn of

overexposure.

Mixture contains one or more component(s) which have the following odour(s):

camphor odour Lemon odour Mild odour Irritating/pungent odour Camphor odour Pleasant

odour

Odour threshold : No data available pH : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available : No data available

Flash point : 104 °F

Relative evaporation rate (butylacetate=1) No data available Flammability (solid, gas) : No data available : No data available Explosive limits Explosive properties : No data available Oxidising properties : No data available Vapour pressure 1 mm Hg 20°C Relative density : 0.904 (0.89 - 0.91) Relative vapour density at 20 °C : No data available

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Solubility : Poorly soluble in water.

Log Pow : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

#### 9.2. Other information

No additional information available

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

On combustion, forms: carbon oxides (CO and CO2). Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Sparks. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

## 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

Acute toxicity : Not classified

ROSEMARY OIL SPANISH WHC LOT# 106710 (8000-25-7)		
LD50 oral rat	5000 mg/kg (Rat)	
LD50 dermal rabbit	> 10000 mg/kg (Rabbit)	
ATE US (oral)	5000 mg/kg bodyweight	

1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-22-2)		
ATE US (oral)	500 mg/kg bodyweight	
ATE US (dust,mist) 1.5 mg/l/4h		
Camphene (79-92-5)		
LD50 oral rat	> 5000 mg/kg (Rat)	
LD50 dermal rabbit > 2500 mg/kg (Rabbit)		

d-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg bodyweight
ATE US (oral)	4400 mg/kg bodyweight

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

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

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d-Limonene (5989-27-5)
IARC group 3 - Not classifiable

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : May cause damage to organs.

Specific target organ toxicity (repeated

exposure)

: Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Potential adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met.

Symptoms/effects after inhalation : May cause an allergic skin reaction.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after ingestion : Risk of lung oedema.

## SECTION 12: Ecological information

## 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Eucalyptol (470-82-6)	
LC50 fish 1	102 mg/l (96 h; Pimephales promelas)
Threshold limit other aquatic organisms 1	40.071 mg/l (720 h; Pimephales promelas; QSAR)

Camphene (79-92-5)	
LC50 fish 1	0.72 mg/l (96 h; Brachydanio rerio; Technical product)
EC50 Daphnia 1	46 mg/l (24 h; Daphnia magna; Technical product)
EC50 other aquatic organisms 1	> 1000 mg/l (3 h; Activated sludge)
LC50 fish 2	1.7 ppm (96 h; Cyprinodon variegatus; Static system)
EC50 Daphnia 2	22 mg/l (48 h; Daphnia magna; Technical product)
Threshold limit algae 2	580 mg/l (72 h; Scenedesmus subspicatus; Technical product)

d-Limonene (5989-27-5)			
LC50 fish 1	720 µg/l (96 h; Pimephales promelas; Lethal)		
EC50 Daphnia 1	0.36 mg/l (48 h; Daphnia magna; GLP)		
LC50 fish 2	702 μg/l (96 h; Pimephales promelas)		
Threshold limit algae 1	150 mg/l (72 h; Desmodesmus subspicatus; GLP)		
Threshold limit algae 2	2.62 mg/l (72 h; Desmodesmus subspicatus)		
alpha-Terpineol (98-55-5)			
LC50 fish 1	10 - 100 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)		

## 12.2. Persistence and degradability

Eucalyptol (470-82-6)			
Persistence and degradability	Water: Not biodegradable.		
alpha-Pinene (80-56-8)			
Persistence and degradability Not established.			
1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-22-2)			
Persistence and degradability	Not established.		
Camphene (79-92-5)			
Persistence and degradability	not readily degradable in water.		
CARYOPHYLLENE (87-44-5)			
Persistence and degradability	Not established.		

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May cause long-term adverse effects in the environment. Readily biodegradable in water. Adsorbs into the soil.	
$3.29 \text{ g O}_2/\text{g substance}$	
Readily biodegradable in water. easily degradable in the soil.	
$2.9 \text{ g O}_2/\text{g substance}$	
Not established.	
No data available.	
May cause long-term adverse effects in the environment.	
1.84 (Calculated)	
Low bioaccumulation potential.	

12.3. Bioaccumulative potential			
Eucalyptol (470-82-6)			
Log Pow	1.84 (Calculated)		
Bioaccumulative potential	Low bioaccumulation potential.		
alpha-Pinene (80-56-8)			
Bioaccumulative potential	Not established.		
1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-2	22-2)		
Bioaccumulative potential	Not established.		
Camphene (79-92-5)			
BCF fish 1	432 - 1290 (Cyprinus carpio; Test duration: 8 weeks)		
Log Pow	4.02		
CARYOPHYLLENE (87-44-5)			
Bioaccumulative potential	Not established.		
d-Limonene (5989-27-5)			
BCF fish 1	864.8 - 1022 (Pisces; Fresh weight)		
Log Pow	4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C)		
Bioaccumulative potential	Not established. Bioaccumulative potential.		
alpha-Terpineol (98-55-5)			
Log Pow	2.57 (Estimated value)		
Bioaccumulative potential	Low bioaccumulation potential.		
Linalool (78-70-6)			
Bioaccumulative potential	Not established.		
Myrcene (123-35-3)			
Bioaccumulative potential	No data available.		
p-Cymene (99-87-6)			
Bioaccumulative potential	Not established.		

## 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.

Other information : Avoid release to the environment.

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## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

#### **Department of Transportation (DOT)**

In accordance with DOT Not regulated for transport

### **Transportation of Dangerous Goods**

Passenger Carrying Road Vehicle or Passenger : III

Carrying Railway Vehicle Index

Transport by sea

UN-No. (IMDG) : 1197

Proper Shipping Name (IMDG) : EXTRACTS, FLAVOURING, LIQUID

Class (IMDG) : 3 - Flammable liquids

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

MFAG-No : 127;128

Air transport

UN-No. (IATA) : 1197

Proper Shipping Name (IATA) : Extracts, flavouring, liquid
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger
Civil Aeronautics Law : Flammable liquids

## SECTION 15: Regulatory information

## 15.1. US Federal regulations

#### **ROSEMARY OIL SPANISH WHC LOT# 106710 (8000-25-7)**

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

#### **Eucalyptol (470-82-6)**

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

## alpha-Pinene (80-56-8)

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

## 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-22-2)

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

#### Camphene (79-92-5)

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

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

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

#### d-Limonene (5989-27-5)

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

## Borneol (507-70-0)

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

### alpha-Terpineol (98-55-5)

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

#### Linalool (78-70-6)

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

## Myrcene (123-35-3)

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

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## p-Cymene (99-87-6)

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

#### 15.2. International regulations

#### **CANADA**

#### **Eucalyptol (470-82-6)**

Listed on the Canadian DSL (Domestic Substances List)

## alpha-Pinene (80-56-8)

Listed on the Canadian DSL (Domestic Substances List)

#### Camphene (79-92-5)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

## Linalool (78-70-6)

Listed on the Canadian DSL (Domestic Substances List)

#### p-Cymene (99-87-6)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

#### National regulations

No additional information available

## 15.3. US State regulations

Myrcene (123-35-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	

### alpha-Pinene (80-56-8)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

## 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (76-22-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

### Borneol (507-70-0)

U.S. - New Jersey - Right to Know Hazardous Substance List

## p-Cymene (99-87-6)

U.S. - Pennsylvania - RTK (Right to Know) List

## **SECTION 16: Other information**

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

Other information : None.

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Full text of H-statements:

kt or n-statements.	
H226	Flammable liquid and vapour.
H227	Combustible liquid
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.
H335	May cause respiratory irritation.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Hazard Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient

temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F

but below 200 F. (Classes II & IIIA)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : E

B - Safety glasses, Gloves

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.