



# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 07/02/2019 Revision date: 07/02/2019 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : OIL, AGE DEFENSE  
CAS-No. : N/A  
Product code : AGEDEFENSE

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

No additional information available

#### 1.3. Supplier

The Essential Oil Company  
5498 SE International Way  
Milwaukie, OR 97222 - United States  
T 800-729-5912 - F 504-872-8767  
[info@essentialoil.com](mailto:info@essentialoil.com) - [www.essentialoil.com](http://www.essentialoil.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300  
CCN 13010

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Skin corrosion/irritation Category 2	Causes skin irritation
Serious eye damage/eye irritation Category 2	Causes serious eye irritation
Skin sensitization, Category 1	May cause an allergic skin reaction
Aspiration hazard Category 1	May be fatal if swallowed and enters airways

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

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

May be fatal if swallowed and enters airways  
Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye irritation

Precautionary statements (GHS-US) :

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash hands, forearms and face thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Immediately call a poison center or doctor  
If on skin: Wash with plenty of water  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Specific treatment (see supplemental first aid instruction on this label)  
Do NOT induce vomiting.  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
Store locked up.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 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. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
$\beta$ -Caryophyllene	(CAS-No.) 87-44-5	10 - 25	Skin Sens. 1B, H317 Asp. Tox. 1, H304
CEDARWOOD OIL	(CAS-No.) 8000-27-9	10 - 25	Asp. Tox. 1, H304
l.-beta.-Bisabolene	(CAS-No.) 495-61-4	1 - 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
TEA TREE OIL	(CAS-No.) 68647-73-4	1 - 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Asp. Tox. 1, H304
SANDALWOOD OIL	(CAS-No.) 8024-35-9	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
OLIBANUM OIL	(CAS-No.) 8016-36-2	1 - 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
PALMAROSA OIL	(CAS-No.) 8014-19-5	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317
GERANIUM OIL	(CAS-No.) 8000-46-2	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Asp. Tox. 1, H304
HOWOOD OIL	(CAS-No.) 8022-91-1	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
NEROLI OIL	(CAS-No.) 8016-38-4	0.1 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Asp. Tox. 1, H304
ROSE ABSOLUTE	(CAS-No.) 8007-01-0	0.1 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317

Full text of hazard classes and 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 : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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

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

# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Symptoms/effects after eye contact : Eye irritation.  
Symptoms/effects after ingestion : Risk of lung edema.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

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

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

### 5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.  
Hygiene measures : 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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### GERANIUM OIL (8000-46-2)

Not applicable

#### OLIBANUM OIL (8016-36-2)

Not applicable

#### NEROLI OIL (8016-38-4)

Not applicable

#### PALMAROSA OIL (8014-19-5)

Not applicable

# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>ROSE ABSOLUTE (8007-01-0)</b>
Not applicable
<b>CEDARWOOD OIL (8000-27-9)</b>
Not applicable
<b><math>\beta</math>-Caryophyllene (87-44-5)</b>
Not applicable
<b>I-beta-Bisabolene (495-61-4)</b>
Not applicable
<b>SANDALWOOD OIL (8024-35-9)</b>
Not applicable
<b>TEA TREE OIL (68647-73-4)</b>
Not applicable
<b>HOWOOD OIL (8022-91-1)</b>
Not applicable

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

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

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Color	: YELLOW TO AMBER
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 94 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.937 (0.927 - 0.947)
Solubility	: Insoluble.
Log Pow	: No data available

# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Refractive index : 1.499 (1.489 - 1.509)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>OLIBANUM OIL (8016-36-2)</b>	
ATE US (oral)	1823 mg/kg body weight
<b>NEROLI OIL (8016-38-4)</b>	
ATE US (oral)	4550 mg/kg body weight
<b>ROSE ABSOLUTE (8007-01-0)</b>	
ATE US (dermal)	3320 mg/kg body weight
<b>TEA TREE OIL (68647-73-4)</b>	
ATE US (oral)	1900 mg/kg body weight
<b>HOWOOD OIL (8022-91-1)</b>	
ATE US (oral)	3270 mg/kg body weight

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

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Specific target organ toxicity – repeated exposure : Not classified

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

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

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : Risk of lung edema.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### 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

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

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

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated

#### Transportation of Dangerous Goods

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### GERANIUM OIL (8000-46-2)

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

# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>OLIBANUM OIL (8016-36-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>NEROLI OIL (8016-38-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>PALMAROSA OIL (8014-19-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>ROSE ABSOLUTE (8007-01-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>CEDARWOOD OIL (8000-27-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b><math>\beta</math>-Caryophyllene (87-44-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>I-.beta.-Bisabolene (495-61-4)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>SANDALWOOD OIL (8024-35-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	P - P - indicates a commenced Premanufacture Notice (PMN) substance.
<b>TEA TREE OIL (68647-73-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>HOWOOD OIL (8022-91-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### 15.2. International regulations

#### CANADA

<b>GERANIUM OIL (8000-46-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>OLIBANUM OIL (8016-36-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>NEROLI OIL (8016-38-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>PALMAROSA OIL (8014-19-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>ROSE ABSOLUTE (8007-01-0)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>CEDARWOOD OIL (8000-27-9)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b><math>\beta</math>-Caryophyllene (87-44-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>I-.beta.-Bisabolene (495-61-4)</b>
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
<b>SANDALWOOD OIL (8024-35-9)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>TEA TREE OIL (68647-73-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>HOWOOD OIL (8022-91-1)</b>
Listed on the Canadian DSL (Domestic Substances List)

# OIL, AGE DEFENSE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations


### EU-Regulations

No additional information available

### National regulations

No additional information available

### 15.3. US State regulations

 **WARNING:** This product can expose you to myrcene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

Revision date : 07/02/2019

Full text of H-phrases:

H226	Flammable liquid and vapour
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation

SDS US (GHS HazCom 2012) -

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*