

# OIL, CINNAMON STICKS\*

## Safety Data Sheet

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

Date of issue: 08/28/2017

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : OIL, CINNAMON STICKS\*

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

No additional information available

#### 1.3.

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#### 1.4. Emergency telephone number

Emergency number : Chemtrec - USA: 800-424-9300 - International: 703-527-3887

### 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

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

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : 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 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 ... on this label)  
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  
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

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
METHYL CINNAMIC ALDEHYDE ALPHA	(CAS No) 101-39-3	>= 50	Skin Sens. 1B, H317
EUGENOL	(CAS No) 97-53-0	10 - 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
CINNAMIC ALDEHYDE	(CAS No) 104-55-2	5 - 10	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
COUMARIN	(CAS No) 91-64-5	1 - 5	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
CLOVE LEAF OIL	(CAS No) 8000-34-8	1 - 5	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Asp. Tox. 1, H304

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 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 : Call a poison center/doctor/physician if you feel unwell.

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

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

#### 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.

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### 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 in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### METHYL CINNAMIC ALDEHYDE ALPHA (101-39-3)

Not applicable

#### CLOVE LEAF OIL (8000-34-8)

Not applicable

#### COUMARIN (91-64-5)

Not applicable

#### CINNAMIC ALDEHYDE (104-55-2)

Not applicable

#### EUGENOL (97-53-0)

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 : PALE YELLOW TO YELLOW

Odor : CHARACTERISTIC, MATCHING THE RETAINER

Odor threshold : No data available

pH : No data available

Melting point : Not applicable

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Freezing point	: No data available
Boiling point	: No data available
Flash point	: 111 °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	: 1.033 (1.023 - 1.043)
Solubility	: Insoluble.
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
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Refractive index : 1.581 (1.571 - 1.591)

## 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>CLOVE LEAF OIL (8000-34-8)</b>	
ATE US (oral)	2650 mg/kg body weight
ATE US (dermal)	2500 mg/kg body weight
<b>COUMARIN (91-64-5)</b>	
ATE US (oral)	500 mg/kg body weight
<b>CINNAMIC ALDEHYDE (104-55-2)</b>	
LD50 oral rat	2220 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
ATE US (oral)	2220 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
<b>EUGENOL (97-53-0)</b>	
LD50 oral rat	2680 mg/kg (Rat)
ATE US (oral)	2300 mg/kg body weight

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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

### COUMARIN (91-64-5)

IARC group	3 - Not classifiable
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### EUGENOL (97-53-0)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified

Specific target organ toxicity – repeated exposure	: Not classified
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Aspiration hazard	: Not classified
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Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
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Symptoms/effects after eye contact	: Eye irritation.
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## 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.
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### EUGENOL (97-53-0)

LC50 fish 1	24 mg/l (LC50; 96 h)
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### 12.2. Persistence and degradability

#### CINNAMIC ALDEHYDE (104-55-2)

Persistence and degradability	Readily biodegradable in water.
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#### EUGENOL (97-53-0)

Persistence and degradability	Biodegradability in water: no data available.
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### 12.3. Bioaccumulative potential

#### CINNAMIC ALDEHYDE (104-55-2)

Log Pow	1.9 - 2.22
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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#### EUGENOL (97-53-0)

Log Pow	2.27
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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### 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.
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GWPMix comment	: No known effects from this product.
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## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not applicable

#### TDG

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### METHYL CINNAMIC ALDEHYDE ALPHA (101-39-3)

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

##### CLOVE LEAF OIL (8000-34-8)

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

##### COUMARIN (91-64-5)

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

##### CINNAMIC ALDEHYDE (104-55-2)

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

##### EUGENOL (97-53-0)

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

#### 15.2. International regulations

##### CANADA

##### METHYL CINNAMIC ALDEHYDE ALPHA (101-39-3)

Listed on the Canadian DSL (Domestic Substances List)

##### CLOVE LEAF OIL (8000-34-8)

Listed on the Canadian DSL (Domestic Substances List)

##### COUMARIN (91-64-5)

Listed on the Canadian DSL (Domestic Substances List)

##### CINNAMIC ALDEHYDE (104-55-2)

Listed on the Canadian DSL (Domestic Substances List)

##### EUGENOL (97-53-0)

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

No additional information available

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### SECTION 16: Other information

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Full text of H-phrases:

H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
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*