

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LINALYL CINNAMATE

Version 4.1

Revision Date 23 AUG 2012

Print Date 23 AUG 2012

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Sales No. : 3910003  
LINALYL CINNAMATE

Substance name : 3,7-DIMETHYL-1,6-OCTADIEN-3-YL 3-PHENYL-2-PROPENOATE

Identifier

INDEX : 601-029-00-7  
CAS : 78-37-5  
EINECS : 201-110-3

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

Intended Use Fragrances : Perfumery ingredient

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

Company :  
Givaudan Suisse SA  
Chemin de la Parfumerie 5  
CH-1214 VERNIER

Telephone : +41227809111  
Telefax : +41227809150  
E-mail address : global.msds\_fragrances\_raps@givaudan.com  
Responsible/issuing person

#### 1.4 Emergency telephone number

+33172110003

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

##### Classification (67/548/EEC, 1999/45/EC)

Irritant

R10: Flammable.  
R38: Irritating to skin.  
R43: May cause sensitization by skin contact.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Dangerous for the environment

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### Additional Labelling:

EUH208 Contains: (R)-p-mentha-1,8-diene May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### Labelling according to EC Directives (67/548/EEC, 1999/45/EC)

Sensitising components : (R)-p-mentha-1,8-diene  
May produce an allergic reaction.

### 2.3 Other hazards

no data available

## 3. Composition/information on ingredients

### 3.1 Substances

Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
(R)-p-mentha-1,8-diene	5989-27-5 227-813-5	>= 0,1 - < 0,25

#### Sensitising components R43 (0,1 - < 1%)

Chemical Name	CAS-No.	EINECS-No./ELINCS No.
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5

Hydrocarbons : 0 %

## 4. First aid measures

### 4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

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- If inhaled : If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : no data available  
In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Symptoms : no data available  
Risks : no data available

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

- Treatment : no data available

## 5. Fire-fighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Dry chemical  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Water spray

- Unsuitable extinguishing media : no data available

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

- Specific hazards during fire fighting : no data available

### 5.3 Advice for firefighters

- Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.

- Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## 6. Accidental release measures

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

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Personal precautions : no data available

### 6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

not applicable

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Temperature class : no data available

Fire-fighting class : no data available

Dust explosion class : no data available

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

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : no data available

Advice on common storage : No materials to be especially mentioned.

German storage class : no data available

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end uses

Specific use(s) : no data available

## 8. Exposure controls/personal protection

### 8.1 Control parameters

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Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

#### Environmental exposure controls

General advice : If the product contaminates rivers and lakes or drains inform respective authorities.

### 9. Physical and chemical properties

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

Physical state	: liquid
Form	: liquid
Colour	: yellow
Taste	: not determined
Odour	: Floral, mild, Spicy, Light
Odour Threshold	: 0,0207 ng/l
Flash point	: > 100 °C
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: no data available
Oxidizing properties	: no data available
Autoignition temperature	: no data available
Decomposition temperature	: no data available
Molecular Weight	: 284,40 g/mol
pH	: no data available
Melting point	: not determined
Boiling point	: 353 °C at 1 013 hPa
Vapour pressure	: 0,0013 hPa at 20 °C
Density	: 990,97 kg/m <sup>3</sup> at 20 °C
Bulk density	: not applicable
Water solubility	: 4 mg/l
Solubility/qualitative	: no data available

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Partition coefficient: n-  
octanol/water : log Pow: 6,12  
Viscosity, kinematic : no data available  
Relative vapour density : no data available  
Evaporation rate : no data available  
Explosive properties : no data available

### 10. Stability and reactivity

#### 10.1 Reactivity

none

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

#### 10.4 Conditions to avoid

Conditions to avoid : no data available

#### 10.5 Incompatible materials

Materials to avoid : no data available

#### 10.6 Hazardous decomposition products

Hazardous decomposition products : no data available  
Thermal decomposition : no data available

### 11. Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

**Acute oral toxicity** : LD50 rat  
Dose: 9 960 mg/kg

**Acute inhalation toxicity** : This information is not available.

**Acute dermal toxicity** : LD50 rabbit  
Dose: > 5 000 mg/kg

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**Acute toxicity (other routes of administration)** : No data is available on the product itself.

**Skin corrosion/irritation** : No data is available on the product itself.  
Skin irritation

### Serious eye damage/eye irritation

Eye irritation : No data is available on the product itself.

### Respiratory or skin sensitization

Sensitisation : Skin sensitization Human  
Result: Not sensitizing  
at 8 % in Sodium lauryl sulphate

### Germ cell mutagenicity

Genotoxicity in vitro : Ames test  
negative  
Method: Mutagenicity (Escherichia coli - reverse mutation assay)

### Carcinogenicity

Carcinogenicity : No data is available on the product itself.

### Reproductive toxicity

Reproductive toxicity : No data is available on the product itself.

### Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

### Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic Toxicant - Repeated exposure : No data is available on the product itself.

### Aspiration hazard

Aspiration toxicity : No data is available on the product itself.

### Phototoxicity

Phototoxicity : UV-VIS absorption spectra  
Result:negative

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**Further information** : no data available

**12. Ecological information**

**12.1 Toxicity**

Toxicity to fish : no data available  
Toxicity to daphnia and other aquatic invertebrates. : no data available  
Toxicity to algae : no data available  
M-Factor  
(R)-p-mentha-1,8-diene : 1  
Toxicity to bacteria : no data available  
Toxicity to fish (Chronic toxicity) : no data available  
Toxicity to daphnia and other aquatic invertebrates. (Chronic toxicity) : no data available  
  
Acute aquatic toxicity : no data available  
Chronic aquatic toxicity : no data available  
Toxicity Data on Soil : no data available  
Other organisms relevant to the environment : no data available

**12.2 Persistence and degradability**

Biodegradability : no data available

**12.3 Bioaccumulative potential**

Bioaccumulation : no data available

**12.4 Mobility in soil**

Mobility : no data available  
Distribution among environmental compartments : no data available  
Additional advice : no data available  
Environmental fate and pathways  
Physico-chemical removability : no data available

**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

Biochemical Oxygen Demand (BOD) : no data available  
Dissolved organic carbon : no data available



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(DOC)  
Chemical Oxygen Demand : no data available  
(COD)  
Adsorbed organic bound : no data available  
halogens (AOX)  
Additional ecological : no data available  
information

### 13. Disposal considerations

#### 13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Dispose of in accordance with local regulations.

### 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

### 15. Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class : WGK 2 water endangering  
(Germany)

#### 15.2 Chemical Safety Assessment

no data available

### 16. Other information

#### Full text of R-phrases referred to under sections 2 and 3

R10 Flammable.  
R38 Irritating to skin.  
R43 May cause sensitization by skin contact.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Full text of H-Statements referred to under sections 2 and 3.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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