

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

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

#### 1.1 Product identifier

Sales No. : 1382293  
VELVIONE

Substance name : 5-CYCLOHEXADECEN-1-ONE  
Identifier

CAS : 37609-25-9  
EINECS : 253-568-9

#### 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)

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### 2.2 Label elements

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

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

Administrative information:

Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09

Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 5219049/1736189

VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

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

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

**2.3 Other hazards**

no data available

**3. Composition/information on ingredients**

**3.1 Substances**

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Hydrocarbons : 0 %

**4. First aid measures**

**4.1 Description of first aid measures**

General advice : Do not leave the victim unattended.

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**

Administrative information:  
Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 5219049/1736189

VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

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

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

Administrative information:  
Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 5219049/1736189

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

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

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.

Administrative information:

Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09

Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 5219049/1736189

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

### 9. Physical and chemical properties

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

Physical state	: liquid
Form	: liquid
Colour	: Almost colorless to Very slightly yellow
Taste	: not determined
Odour	: Musky, Metallic, Powdery, mild
Odour Threshold	: 4,589 ng/l
Flash point	: 160 °C Method: Grabner miniflash closed cup
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: no data available
Oxidizing properties	: no data available
Autoignition temperature	: 245 °C Method: DIN 51794
Decomposition temperature	: no data available
Molecular Weight	: 236,40 g/mol
pH	: no data available
Melting point	: 21 °C
Boiling point	: 300 °C at 1 013 hPa
Vapour pressure	: 0,0013 hPa at 20 °C
Density	: 926,32 kg/m <sup>3</sup> at 20 °C
Bulk density	: not applicable
Water solubility	: no data available
Solubility/qualitative	: no data available
Partition coefficient: n-octanol/water	: log Pow: > 6 Method: OECD Test Guideline 117
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.

Administrative information:

Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09

Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 5219049/1736189

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

### 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 mouse  
Dose: > 2 000 mg/kg  
Method: Fixed Dose Method

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

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

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

#### Skin corrosion/irritation

**Skin irritation** : Species: rabbit  
No skin irritation  
Method: OECD Test Guideline 404

#### Serious eye damage/eye irritation

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

#### Respiratory or skin sensitization

**Sensitisation** : Skin sensitization guinea pig  
Result: Not sensitizing  
HRIPT Human  
Result: Not sensitizing  
at 6 % in Dimethyl phthalate

Administrative information:

Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09

Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 5219049/1736189

VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

**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 : Phototoxicity guinea pig  
Result:negative

**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  
Toxicity to bacteria : no data available

Administrative information:  
Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 5219049/1736189

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## VELVIONE

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

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 (DOC) : no data available

Chemical Oxygen Demand (COD) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Additional ecological information : no data available

## 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.

Administrative information:

Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/09

Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 5219049/1736189



**VELVIONE**

Version 1.5

Revision Date 13 AUG 2012

Print Date 19 NOV 2012

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 (Germany) : WGK 2 water endangering  
Number: 5 769  
German legislation on water endangering substances VwVwS

**15.2 Chemical Safety Assessment**

no data available

**16. Other information**

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.