

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 24.07.2017

Version number 2

Revision: 24.07.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** *Animalit*
- **Article number:** 560200, 560201, 560202
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use SU1** Agriculture, forestry, fishery
- **Product category PC8** Biocidal products
- **Technical function** Biocide
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
EUROHUNT GmbH  
Harzblick 25  
D-99768 Harztor
- Tel.: +49 (0)36331/5054-0  
Fax: +49 (0)36331/5054-22
- Email: [info@eurohunt.de](mailto:info@eurohunt.de)
- **Informing department:** Abteilung Produktsicherheit
- **1.4 Emergency telephone number:** +49 (0) 36331 / 5054-0 (Only during office hours)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2            H319 Causes serious eye irritation.  
 Skin Sens. 1            H317 May cause an allergic skin reaction.  
 Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** *Warning*
- **Hazard-determining components of labelling:**  
dipentene  
Hydroxy-citronellal  
Cinnamyl alcohol  
Citronellol  
3-p-cumenyl-2-methylpropionaldehyde  
benzyl salicylate  
 $\alpha$ -hexylcinnamaldehyde  
Amyl cinnamal  
1,8-epoxy-p-menthane

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Pinene

**Hazard statements**

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures**

Description: Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 138-86-3 EINECS: 205-341-0	dipentene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	5-<10%
CAS: 119-36-8 EINECS: 204-317-7	methyl salicylate Acute Tox. 4, H302; Eye Irrit. 2, H319	5-<10%
	Fettalkoholpolyglykolether Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Aquatic Chronic 4, H413	1-<5%
CAS: 69011-36-5	Isotridecanol, 3-5 EO Eye Dam. 1, H318; Acute Tox. 4, H302	1-<5%
CAS: 107-75-5 EINECS: 203-518-7	Hydroxy-citronellal Eye Irrit. 2, H319; Skin Sens. 1B, H317	1-<5%
CAS: 104-54-1 EINECS: 203-212-3	Cinnamyl alcohol Acute Tox. 4, H302; Skin Sens. 1, H317	< 1%
CAS: 106-22-9 EINECS: 203-375-0	Citronellol Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	< 1%
	3-p-Cumenyl-2-Metylpropionaldehyde Skin Irrit. 2, H315; Skin Sens. 1, H317	< 1%
CAS: 78-70-6 EINECS: 201-134-4	Linalool Eye Irrit. 2, H319; Skin Sens. 1, H317	< 1%
CAS: 101-86-0 EINECS: 202-983-3	$\alpha$ -hexylcinnamaldehyde Skin Sens. 1, H317	< 1%
CAS: 27939-60-2 EINECS: 248-742-6	Hivertal Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	< 1%

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CAS: 122-40-7

Amyl cinnamal

&lt; 1%

EINECS: 204-541-5

⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · **General information**

Instantly remove any clothing soiled by the product.

Wash contaminated clothing before reuse.

Contaminated work clothing should not be allowed out of the workplace.

##### · **After inhalation**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

##### · **After skin contact**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

##### · **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

##### · **After swallowing** In case of persistent symptoms consult doctor.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.· 5.2 **Special hazards arising from the substance or mixture** Carbon monoxide (CO)· 5.3 **Advice for firefighters** Collect contaminated water separately.

#### · **Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

### SECTION 6: Accidental release measures

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

Wear protective clothing.

#### · 6.2 Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

Do not allow to enter drainage system, surface or ground water.

#### · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Ensure adequate ventilation.

#### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Protect from frost.
- **Storage class** 12
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · DNELs

##### 107-75-5 Hydroxy-citronellal

Dermal	Worker - Acute - Local effects	0.5 mg/cm <sup>2</sup> skin
	Worker - Long term - Systemic effects	1.9 mg/kg bw/day
Inhalative	Worker - Long term - Systemic effects	18 mg/m <sup>3</sup>

##### 104-54-1 Cinnamyl alcohol

Dermal	Worker - Long term - Systemic effects	10.42 mg/kg bw/day
Inhalative	Worker - Long term - Systemic effects	18.37 mg/m <sup>3</sup>

##### 106-22-9 Citronellol

Dermal	Worker - Long term - Systemic effects	327.4 mg/kg bw/day
Inhalative	Worker - Long term - Local effects	10 mg/m <sup>3</sup>
	Worker - Long term - Systemic effects	161.6 mg/m <sup>3</sup>
	Worker - Acute - Local effects	10 mg/m <sup>3</sup>

#### · PNECs

##### 107-75-5 Hydroxy-citronellal

PNEC aqua (freshwater)	0.0316 mg/l
PNEC Water (Marine water)	0.00316 mg/l
PNEC sediment (freshwater)	0.145 mg/kg dw
PNEC Sediment (Marine water)	0.015 mg/kg dw
PNEC Soil	0.011 mg/kg
PNEC microorganisms (STP)	10 mg/l

##### 104-54-1 Cinnamyl alcohol

PNEC aqua (freshwater)	0.0035 mg/l
PNEC Water (Marine water)	0.00035 mg/l
PNEC sediment (freshwater)	8.153 mg/kg dw
PNEC Sediment (Marine water)	8.153 mg/kg dw
PNEC Soil	3.203 mg/kg

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PNEC microorganisms (STP)	8.053 mg/l
PNEC aqua (intermittent release)	0.035 mg/l
<b>106-22-9 Citronellol</b>	
PNEC aqua (freshwater)	0.0024 mg/l
PNEC Water (Marine water)	0.00024 mg/l
PNEC sediment (freshwater)	0.0256 mg/kg dw
PNEC Sediment (Marine water)	0.00256 mg/kg dw
PNEC Soil	0.00371 mg/kg
PNEC microorganisms (STP)	580 mg/l
PNEC aqua (intermittent release)	0.024 mg/l

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Take off immediately all contaminated clothing  
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves** Impervious gloves
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

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

#### · General Information

##### · Appearance:

Form:	Fluid
Colour:	Light brown
Odour:	Aromatic

· pH-value: Not determined.

##### · Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100°C

· Flash point: Not determined.

##### · Ignition temperature:

Decomposition temperature: Not determined.

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· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Vapour pressure at 25°C:</b>	32 hPa
· <b>Density</b>	Not determined
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
· <b>dynamic:</b>	Not determined.
· <b>kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	
· <b>VOC EU</b>	4.731 %
· <b>Solids content:</b>	0.8 %
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · **LD/LC50 values that are relevant for classification:**

##### **104-54-1 Cinnamyl alcohol**

Oral	LD50	2,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rabbit)

##### **106-22-9 Citronellol**

Oral	LD50	3,450 mg/kg (Rat)
Dermal	LD50	2,650 mg/kg (Rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.

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- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

##### 107-75-5 Hydroxy-citronellal

EC50 (48 h)	410 mg/l (Daphnia magna)
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LC50 (96 h)	31.6 mg/l (fish)
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ErC50 (72 h)	123.3 mg/l (algae)
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##### 104-54-1 Cinnamyl alcohol

EC50 (48 h)	20.15 mg/l (Daphnia magna)
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ErC50 (72 h)	44.66 mg/l (algae)
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##### 106-22-9 Citronellol

EC50 (48 h)	17.48 mg/l (Daphnia magna)
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LC50 (96 h)	14.66 mg/l (fish)
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- **12.2 Persistence and degradability** No further relevant information available.

### · 12.3 Bioaccumulative potential

##### 107-75-5 Hydroxy-citronellal

Log Kow	1.68
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##### 106-22-9 Citronellol

Biological degradability	80-90 %
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Log Kow	3.41
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- **12.4 Mobility in soil** No further relevant information available.

### · Additional ecological information:

#### · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

### · 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

#### · Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

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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.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.  
 H413 May cause long lasting harmful effects to aquatic life.

· **Department issuing data specification sheet:**

This safety data sheet replaces the older version 1.

The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr.Rhein Beratungs- und Prüfgesellschaft mbH, Phone: +49 5066 900990.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· **\* Data compared to the previous version altered.**