

## Safety Data Sheet

according to UK REACH Regulation

### VELIND Hautschutz- und Mückenspray mit Icaridin und Geraniol

Revision date: 27.01.2023

Product code: 60019

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

##### 1.1. Product identifier

VELIND Hautschutz- und Mückenspray mit Icaridin und Geraniol

UFI: UMHC-55DF-V007-FC54

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

###### Use of the substance/mixture

Biocide, Product-type 19: Repellents and attractants

###### Uses advised against

No information available. Use(Usage) exclusively according to labelled intended purpose!

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

Company name:	VELIND Aerosol GmbH	
Street:	Passower Chaussee 111	
Place:	D-16303 Schwedt/O	
Telephone:	+49 33 32 / 4 50 88 - 0	Telefax: +49 33 32 / 4 50 88 - 30
e-mail:	info@velind.de	
Contact person:	Wallbaum	Telephone: 11
e-mail:	qs@velind.de	
Internet:	www.velind.de	
Responsible Department:	QS	

##### 1.4. Emergency telephone number:

GGIZ der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen: +49 3 61 / 7 30 73 -0

##### Further Information

Emergency - Phonecalls to +49 (0) 33 32 / 4 50 88 16  
(during office-hours from 8.00 a.m. to 4.00 p.m.)

#### SECTION 2: Hazards identification

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

###### GB CLP Regulation

Aerosol 1; H222-H229  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

Wirkstoffe: 150 mg/g N,N-Diethyl-m-toluamid, 1,8 mg/g sec-Butyl 2-(2-hydroxyethyl)piperidin-1-carboxylat, 1,8mg/g Geraniol

##### 2.2. Label elements

###### GB CLP Regulation

Signal word: Danger

Pictograms:



###### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

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#### Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### Special labelling of certain mixtures

- EUH208 Contains (E)-3,7-Dimethyl-2,6-octadien-1-ol. May produce an allergic reaction.  
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.  
Read attached instructions before use.

#### Additional advice on labelling

Use biocides safely. Always read the label and product information before use.

#### Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



#### Hazard statements

H222-H229

#### Precautionary statements

P102-P210-P211-P251-P410+P412

#### 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture. Inhalation causes narcotic effects/intoxication.  
Use biocides safely. Always read the label and product information before use.  
Apply to bare skin completely opaque. Avoid contact with eyes, mucous membranes, sensitive or diseased skin and wounds! Do not spray directly in the face, but apply by hand. Not for use in infants. In children and avoid repeated more active application.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Aerosol

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64-17-5	ethanol, ethyl alcohol			40 - < 45 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319 EUH066			
134-62-3	diethyltoluamide (ISO); N,N-diethyl-m-toluamide; [deet]			5 - < 10 %
	205-149-7	616-018-00-2		
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H315 H319			
106-24-1	(E)-3,7-Dimethyl-2,6-octadien-1-ol			< 0.1 %
	203-377-1		01-2119552430-49	
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1; H315 H318 H317			
106-99-0	1,3-butadiene, buta-1,3-diene			< 0.1 %
	203-450-8			
	Flam. Gas 1, Carc. 1A, Muta. 1B; H220 H350 H340			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64-17-5	200-578-6	ethanol, ethyl alcohol	40 - < 45 %
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg Eye Irrit. 2; H319: >= 50 - 100	
134-62-3	205-149-7	diethyltoluamide (ISO); N,N-diethyl-m-toluamide; [deet]	5 - < 10 %
		dermal: LD50 = 3180 mg/kg; oral: ATE 1892 mg/kg	
106-24-1	203-377-1	(E)-3,7-Dimethyl-2,6-octadien-1-ol	< 0.1 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
106-99-0	203-450-8	1,3-butadiene, buta-1,3-diene	< 0.1 %
		oral: LD50 = 5480 mg/kg Carc. 1A; H350: >= 0,1 - 100 Muta. 1B; H340: >= 0,1 - 100	

#### Further Information

Wirkstoffe: 150 mg/g N,N-Diethyl-m-toluamid, 1,8 mg/g sec-Butyl 2-(2-hydroxyethyl)piperidin-1-carboxylat, 1,8 mg/g Geraniol

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated, saturated clothing immediately. First aider: Pay attention to self-protection! Move victim out of danger zone.

##### After inhalation

Provide fresh air. Move victim out of danger zone. In all cases of doubt, or when symptoms persist, seek medical advice.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

##### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

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#### After ingestion

Not applicable, because aerosol. If it does, consult a doctor immediately and show him box or label. Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

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

The following symptoms may occur::

Intoxication. unconsciousness. Headache. drowsiness. Dizziness. Depression of the central nervous system.

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

Treat symptomatically. This information is not available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Water spray. dry extinguishing powder. Water fog.  
Co-ordinate fire-fighting measures to the fire surroundings.

##### Unsuitable extinguishing media

High power water jet.

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

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Vapours are heavier than air and will spread at floor level. Beware of reignition. Contains gas under pressure; may explode if heated. (H280) Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon monoxide Carbon dioxide.

#### 5.3. Advice for firefighters

Special protective equipment for firefighters In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Remove according to the regulations.

### SECTION 6: Accidental release measures

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

##### General advice

Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. Wear personal protection equipment. Keep away from sources of ignition - No smoking.

#### 6.2. Environmental precautions

Provide fresh air. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

##### Other information

Ventilate affected area. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

See protective measures under point 7 and 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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#### Advice on safe handling

Keep out of the reach of children. Do not breathe gas/fumes/vapour/spray. Use only outdoors or in a well-ventilated area. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. When using do not eat, drink, smoke, sniff. Read label before use. Observe in addition any national regulations!

#### Advice on protection against fire and explosion

Pressurised container: May burst if heated. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Take precautionary measures against static discharges.

#### Advice on general occupational hygiene

When using do not eat, drink, smoke, sniff. Personal protection equipment. Contaminated work clothing should not be allowed out of the workplace. Technical ventilation of workplace.

#### Further information on handling

Do not pierce or burn, even after use.

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

##### Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Maximum storage temperature: 50°C Further information concerning storage conditions: The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

##### Hints on joint storage

Keep away from: Oxidizing agents. strong alkalis. Strong acid.

##### Further information on storage conditions

Fire class: C

#### 7.3. Specific end use(s)

Biocide, Product-type 19: Repellents and attractants

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
106-99-0	Buta-1,3-diene	1	2.2		TWA (8 h)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
84-66-2	Diethyl phthalate	-	5		TWA (8 h)	WEL
		-	10		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

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#### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
64-17-5	ethanol, ethyl alcohol		
Worker DNEL, acute	inhalation	local	1900 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	systemic	950 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day
Consumer DNEL, acute	inhalation	local	950 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	systemic	114 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day

#### PNEC values

CAS No	Substance	
Environmental compartment	Value	
64-17-5	ethanol, ethyl alcohol	
Freshwater	0,96 mg/l	
Marine water	0,79 mg/l	
Freshwater sediment	3,6 mg/l	
Marine sediment	2,9 mg/l	
Micro-organisms in sewage treatment plants (STP)	580 mg/l	
Soil	0,63 mg/kg	

#### 8.2. Exposure controls



##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. Exposure controls / Personal protection equipment

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

With correct and proper use, and under normal conditions, not required.  
Recommendation: Wear eye/face protection.

##### Hand protection

Tested protective gloves are to be worn: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable material: NBR (Nitrile rubber). Butyl rubber. Observe Glove plan!

Thickness of glove material: 0,7 mm

Breakthrough times and swelling properties of the material must be taken into consideration.

Protect skin by using skin protective cream. Observe skin protection programme.

Apply skin care products after work.

##### Skin protection

With correct and proper use, and under normal conditions, not required.  
Wear personal protection equipment.

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Wear anti-static footwear and clothing . .

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: exceeding exposure limit values. Filtering device (full mask or mouthpiece) with filter: A-P2

#### Environmental exposure controls

No information available.

## SECTION 9: Physical and chemical properties

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

Physical state:	Aerosol, Active component: flüssig
Colour:	colourless bis light yellow
Odour:	characteristic
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	>78 (Active component) °C
Flammability:	not applicable
Lower explosion limits:	1,5 vol. %
Upper explosion limits:	15 vol. %
Flash point:	>12 (Active component) °C
Decomposition temperature:	not determined
pH-Value:	6
Water solubility:	easily soluble
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density:	0,825 (Active component) g/cm <sup>3</sup>
Relative vapour density:	not determined

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

Heating may cause an explosion. not explosive. In use, may form flammable/explosive vapour-air mixture.

##### Self-ignition temperature

Solid: not applicable

Gas: not applicable

##### Oxidizing properties

The product is not: oxidising.

#### Other safety characteristics

Evaporation rate: not determined

Solid content: not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurized container: May burst if heated. The product has not been tested.

### 10.2. Chemical stability

Stable with proper storage and handling.

### 10.3. Possibility of hazardous reactions

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No decomposition if used as intended

#### 10.4. Conditions to avoid

Refer to chapter 7.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Do not pierce or burn, even after use.

#### 10.5. Incompatible materials

Refer to chapter 7.

Materials to avoid: Oxidizing agents.

#### 10.6. Hazardous decomposition products

Refer to chapter 5.

No decomposition if used as intended

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Toxicokinetics, metabolism and distribution

Mixture not tested. There are no data available on the preparation/mixture itself.

#### Acute toxicity

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol, ethyl alcohol				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >20 mg/l	Rat		
134-62-3	diethyltoluamide (ISO); N,N-diethyl-m-toluamide; [deet]				
	oral	ATE 1892 mg/kg			
	dermal	LD50 3180 mg/kg	Rabbit		
106-24-1	(E)-3,7-Dimethyl-2,6-octadien-1-ol				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
106-99-0	1,3-butadiene, buta-1,3-diene				
	oral	LD50 5480 mg/kg	Rat		

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

There are no data available on the mixture itself.

#### Sensitising effects

Contains (E)-3,7-Dimethyl-2,6-octadien-1-ol. May produce an allergic reaction.

There are no data available on the mixture itself.



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#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.  
There are no data available on the mixture itself.

#### STOT-single exposure

Based on available data, the classification criteria are not met.  
There are no data available on the mixture itself. No data available

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.  
There are no data available on the mixture itself.

#### Aspiration hazard

Based on available data, the classification criteria are not met.  
There are no data available on the mixture itself. No data available

#### Specific effects in experiment on an animal

There are no data available on the mixture itself.

#### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. There are no data available on the mixture itself.

#### Practical experience

The evaluation based on subjective human observations: May cause drowsiness or dizziness. Headache. Can cause frostbite.

#### 11.2. Information on other hazards

##### Further information

Mixture not tested. There are no data available on the preparation/mixture itself.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Mixture not tested. There are no data available on the preparation/mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Chlorella vulgaris		
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
134-62-3	diethyltoluamide (ISO); N,N-diethyl-m-toluamide; [deet]					
	Acute fish toxicity	LC50 97 mg/l	96 h			
	Acute crustacea toxicity	EC50 75 mg/l	48 h	Daphnia magna		
106-24-1	(E)-3,7-Dimethyl-2,6-octadien-1-ol					
	Acute fish toxicity	LC50 >20 mg/l	96 h			
	Acute crustacea toxicity	EC50 >10 mg/l	48 h			

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

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#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,32

#### BCF

CAS No	Chemical name	BCF	Species	Source
64-17-5	ethanol, ethyl alcohol	0,66		

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

No data available

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Mixture not tested.

There are no data available on the preparation/mixture itself.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The waste codes are recommendations based on the scheduled use of this products. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

##### List of Wastes Code - used product

070404 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides; other organic solvents, washing liquids and mother liquors; hazardous waste

##### List of Wastes Code - contaminated packaging

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Recommendation: Dispose of waste according to applicable legislation. E.g. Dispose of contents/container to industrial incineration plant. Or: Dispose of this material and its container to hazardous or special waste collection point.

Do not empty into drains.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

- 14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS

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**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 381, 959  
Limited quantity: 1000 mL  
Excepted quantity: E0  
EmS: F-D, S-U

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Warning: Flammable gases. Persons employed in transporting dangerous goods must be trained. Precautions must be taken to prevent damage.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

#### Other applicable information

Minimum amount regulations: < 1 litre

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40, Entry 75

Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

##### Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC, 2008/47/EC  
Aerosol Directive (75/324/).

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

Biocide registry number: N-86546

##### Additional information

Use biocides safely. Always read the label and product information before use.

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,3,7.

These details refer to the products as it is delivered.

Follow the instructions for use on the label.

\* Data changed compared with the previous version.

#### 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 Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

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BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
@1602.B016012

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Skin Irrit. 2; H315	Bridging principle "Aerosols"
Eye Irrit. 2; H319	Bridging principle "Aerosols"

#### Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.  
H222 Extremely flammable aerosol.  
H225 Highly flammable liquid and vapour.  
H229 Pressurised container: May burst if heated.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains (E)-3,7-Dimethyl-2,6-octadien-1-ol. May produce an allergic reaction.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*