

**CHILL OUT**

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Sales No. : 12534-401-3  
CHILL OUT

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

Intended Use Fragrances : Perfume compound

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

Company :  
bekro chemie GmbH  
Industriestr. 104  
66802 Überherrn  
Germany  
Telephone : +49 6836 9198 0  
Telefax : +49 6836 9198 10  
E-mail address : info@bekro.de  
Responsible/issuing person

**1.4 Emergency telephone number**

+49 6836 9198 0  
(office hours only)

**SECTION 2. Hazards identification**

**2.1 Classification of the substance or mixture**

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

Skin irritation, Category 2	H315: Causes skin irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

**2.2 Label elements**

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

Hazard pictograms :  

Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.

Administrative information:  
Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 18 190 549/11 119 706

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CHILL OUT**

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves.

**Response:**

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

P391 Collect spillage.

Hazardous components which must be listed on the label:

- 2-acetyl-1,2,3,4,5,6,7,8-octahydro- 54464-57-2  
2,3,8,8-tetra-methylnaphtalene  
(main isomer)
- linalool 78-70-6
- turpentine, oil 8006-64-2
- 4,11,11-trimethyl-8- 87-44-5  
methylenebicyclo[7.2.0]undec-4-ene  
(= Caryophyllene)
- (R)-p-mentha-1,8-diene 5989-27-5
- methyl 2,4-dihydroxy-3,6- 4707-47-5  
dimethylbenzoate
- 2-oxabicyclo(2.2.2)octane, 1,3,3- 470-82-6  
trimethyl- (= Eucalyptol)

**2.3 Other hazards**

Hazards not Otherwise : None  
Classified.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3. Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous components**

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [Percent by weight]
---------------	---	--	---

Administrative information:  
Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

2,4-dimethyl-4-phenyltetrahydrofuran	82461-14-1 279-967-8 01-2120114353-70	Aquatic Chronic 3; H412	>= 5 - < 10
2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetra-methylnaphthalene (main isomer)	54464-57-2 259-174-3 01-2119489989-04	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 2,5 - < 5
1,4-dimethyl-7-isopropenyl-delta-9,10-ocathydro-azulene	88-84-6 201-860-1	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Asp. Tox. 1; H304	>= 1 - < 5
2,2,6,8-tetramethyltricyclo[5.3.1.0 <sup>3,8</sup> ]undecan-3-ol	5986-55-0 227-807-2	Aquatic Chronic 2; H411	>= 2,5 - < 5
linalool	78-70-6 201-134-4 01-2119474016-42	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 1 - < 5
1,1-dimethoxy-2,2,5-trimethyl-4-hexene	67674-46-8 266-885-2 01-2120741268-52	Skin Irrit. 2; H315 Aquatic Chronic 3; H412	>= 1 - < 2,5
turpentine, oil	8006-64-2 232-350-7 01-2119553060-53	Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 0,25 - < 1
4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene (= Caryophyllene)	87-44-5 201-746-1 01-2120745237-53	Skin Sens. 1B; H317 Asp. Tox. 1; H304 Aquatic Chronic 4; H413	>= 0,25 - < 1

### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

(R)-p-mentha-1,8-diene	5989-27-5 227-813-5 01-2119529223-47	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
methyl 2,4-dihydroxy-3,6-dimethylbenzoate	4707-47-5 225-193-0 01-2120762759-36	Skin Sens. 1B; H317	>= 0,1 - < 1
2-oxabicyclo(2.2.2)octane, 1,3,3-trimethyl- (= Eucalyptol)	470-82-6 207-431-5 01-2119967772-24	Flam. Liq. 3; H226 Skin Sens. 1B; H317	>= 0,1 - < 1

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4. First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
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 : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Remove contact lenses.  
Immediately flush eyes for at least 15 minutes. Get medical attention.
- 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

#### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CHILL OUT**

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

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

Treatment : no data available

**SECTION 5. Firefighting measures**

**5.1 Extinguishing media**

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

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**SECTION 6. Accidental release measures**

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

Personal precautions : no data available

**6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

Not applicable

Administrative information:  
Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 18 190 549/11 119 706

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CHILL OUT**

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

**SECTION 7. Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

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 : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Ambient / 10-30°C (50-85°F)  
Dry, well ventilated, preferably full, hermetically sealed  
Advice on common storage : Protect against light.  
German storage class : no data available  
Other data : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Specific use(s) : no data available

**SECTION 8. Exposure controls/personal protection**

**8.1 Control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis
turpentine, oil	8006-64-2	NDS	112 mg/m <sup>3</sup>	2014-06-23	PL OEL

Administrative information:  
Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 18 190 549/11 119 706

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CHILL OUT**

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

		NDSch	300 mg/m3	2014-06-23	PL OEL
--	--	-------	-----------	------------	--------

DNEL  
67674-46-8

: End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 14,46 mg/m3

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Acute systemic effects  
Value: 43,37 mg/m3

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 36,14 mg/m3

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Acute local effects  
Value: 108,4 mg/m3

End Use: Workers  
Exposure routes: Dermal  
Potential health effects: Long-term systemic effects  
Value: 4,1 mg/kg bw/day

End Use: Workers  
Exposure routes: Dermal  
Potential health effects: Acute systemic effects  
Value: 12,3 mg/kg bw/day

End Use: Workers  
Exposure routes: Dermal  
Potential health effects: Long-term local effects  
Value: 10,25 mg/cm2

End Use: Workers  
Exposure routes: Dermal  
Potential health effects: Acute local effects  
Value: 30,75 mg/cm2

End Use: Consumer use  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 3,57 mg/m3

Administrative information:  
Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

End Use: Consumer use  
Exposure routes: Inhalation  
Potential health effects: Acute systemic effects  
Value: 10,7 mg/m<sup>3</sup>

End Use: Consumer use  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 8,91 mg/m<sup>3</sup>

End Use: Consumer use  
Exposure routes: Inhalation  
Potential health effects: Acute local effects  
Value: 26,74 mg/m<sup>3</sup>

End Use: Consumer use  
Exposure routes: Dermal  
Potential health effects: Long-term systemic effects  
Value: 2,05 mg/kg bw/day

End Use: Consumer use  
Exposure routes: Dermal  
Potential health effects: Acute systemic effects  
Value: 6,15 mg/kg bw/day

End Use: Consumer use  
Exposure routes: Dermal  
Potential health effects: Long-term local effects  
Value: 5,13 mg/cm<sup>2</sup>

End Use: Consumer use  
Exposure routes: Dermal  
Potential health effects: Acute local effects  
Value: 15,38 mg/cm<sup>2</sup>

End Use: Consumer use  
Exposure routes: Oral  
Potential health effects: Long-term systemic effects  
Value: 2,05 mg/kg bw/day

PNEC  
67674-46-8

: Fresh water  
Value: 0,013 mg/l

Fresh water sediment  
Value: 1,48 mg/kg dry weight (d.w.)

Marine water  
Value: 0,0013 mg/l

### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

Marine sediment  
Value: 0,148 mg/kg dry weight (d.w.)

Sewage treatment plant  
Value: 10 mg/l

Soil  
Value: 0,288 mg/kg dry weight (d.w.)

### 8.2 Exposure controls

#### Personal protective equipment

- Respiratory protection : Use only in well-ventilated areas.  
In case a risk analysis proved the cartridge respirator as acceptable, use type:  
ABEK-P3 (EN 14387) respirator cartridges as a backup to engineering controls.  
In absence of engineering controls, use self-contained breathing apparatus or full face supplied air respirators.  
Use respirators and components tested and approved under appropriate government standards such as CEN (EU).
- Hand protection : Use gloves when handling substance in open systems.  
Inspect gloves prior to use. Train operators for proper use.  
If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523-1 breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently.  
If direct skin contact is expected: use gloves tested according to EN 16523-1, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time.
- Eye protection : Use safety glasses and faceshield tested according to EN 166.
- Skin and body protection : Wear working clothes covering arms and legs.  
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Use apron or complete chemical suit if exposure is expected.
- Hygiene measures : Do not eat, drink or smoke during work.  
Wash and dry hands after finished working.
- Protective measures : Exposure assessment: Exposure is dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two

#### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CHILL OUT**

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional respiratory protection.

PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained and used to PPE handling.

**Environmental exposure controls**

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

**SECTION 9. Physical and chemical properties**

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

Physical state	: liquid
Form	: liquid
Colour	: Very slightly yellow to Pale yellow
Taste	: not determined
Odour	: woody, Citrus-like, Green
Odour Threshold	: Not applicable
Flash point	: 103 °C Method: Grabner miniflash closed cup
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: Not applicable
Oxidizing properties	: no data available
Auto-ignition temperature	: not determined
Decomposition temperature	: no data available
pH	: not determined
Melting point	: not determined
Boiling point	: not determined
Vapour pressure	: 0,0653 hPa at 20 °C Calculated (99,8 %)
Density	: 886,40 kg/m <sup>3</sup> at 20 °C
Bulk density	: Not applicable
Water solubility	: not determined
Solubility/qualitative	: practically insoluble
Partition coefficient: n-octanol/water	: Not applicable
Viscosity, kinematic	: no data available
Relative vapour density	: no data available

Administrative information:  
Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

Evaporation rate : no data available  
Explosive properties : no data available

### 9.2 Other information

Not applicable

## SECTION 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 : No decomposition if stored and applied as directed.

### 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

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Acute oral toxicity** : No data is available on the product itself.

#### Acute oral toxicity

2,4-dimethyl-4-phenyltetrahydrofuran : LD50: 4 020 mg/kg Species: Rat

2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethylnaphthalene (main isomer) : LD50: > 5 000 mg/kg Species: Rat

1,4-dimethyl-7-isopropenyl-delta-9,10-ocathydro-azulene : LD50: > 5 000 mg/kg Species: Rat

#### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

linalool	: LD50: 2 790 mg/kg	Species: Rat
4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene (= Caryophyllene)	: LD50: > 5 000 mg/kg	Species: Rat
(R)-p-mentha-1,8-diene	: LD50: 5 600 mg/kg	Species: Mouse
methyl 2,4-dihydroxy-3,6-dimethylbenzoate	: LD50: > 8 000 mg/kg	Species: Rat
<b>Acute inhalation toxicity</b>	: No data is available on the product itself.	
<b>Acute dermal toxicity</b>	: No data is available on the product itself.	
<b>Acute dermal toxicity</b> 2-acetyl-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethylnaphthalene (main isomer)	: LD50: > 5 000 mg/kg	Species: Rabbit
4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene (= Caryophyllene)	: LD50: > 5 000 mg/kg	Species: Rabbit
(R)-p-mentha-1,8-diene	: LD50: > 5 000 mg/kg	Species: Rabbit
methyl 2,4-dihydroxy-3,6-dimethylbenzoate	: LD50: > 5 000 mg/kg	Species: Rabbit
<b>Acute toxicity (other routes of administration)</b>	: No data is available on the product itself.	
<b>Skin corrosion/irritation</b>		
Skin irritation	: May cause skin irritation and/or dermatitis.	
<b>Skin irritation</b>		
2,4-dimethyl-4-phenyltetrahydrofuran	: Mild skin irritation	
<b>Serious eye damage/eye irritation</b>		
Eye irritation	: Vapours may cause irritation to the eyes, respiratory system and the skin.	

### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

### Eye irritation

1,1-dimethoxy-2,2,5-trimethyl-4-hexene :  
:

### Respiratory or skin sensitisation

Sensitisation : No data is available on the product itself.

### Germ cell mutagenicity

Germ cell mutagenicity : No data is available on the product itself.

### 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.

### Target Organ Systemic Toxicant - Repeated exposure Aspiration hazard

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

### Phototoxicity

Phototoxicity : No data is available on the product itself.

### Further information

: no data available

## SECTION 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

#### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

M-Factor  
2-acetyl-1,2,3,4,5,6,7,8-  
octahydro-2,3,8,8-tetra-  
methylnaphtalene (main  
isomer) : 1  
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 : no data available  
aquatic invertebrates  
(Chronic toxicity)  
  
Acute aquatic toxicity : no data available  
Chronic aquatic toxicity : no data available  
Toxicity Data on Soil : no data available  
Other organisms relevant to : no data available  
the environment

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

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

Biochemical Oxygen : no data available  
Demand (BOD)  
Dissolved organic carbon : no data available  
(DOC)  
Chemical Oxygen Demand : no data available  
(COD)  
Adsorbed organic bound : no data available

#### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006

**CHILL OUT**

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

halogens (AOX)  
Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

**SECTION 13. Disposal considerations**

**13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

Dispose of in accordance with local regulations.

**SECTION 14. Transport information**

**14.1 UN number**

ADR : UN 3082  
RID : UN 3082  
IMDG : UN 3082  
IATA : UN 3082

**14.2 UN proper shipping name**

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Octahydro-tetramethyl-naphthalenyl-ethanone, Methyl isopropenyl cyclohexene)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Octahydro-tetramethyl-naphthalenyl-ethanone, Methyl isopropenyl cyclohexene)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Octahydro-tetramethyl-naphthalenyl-ethanone, Methyl isopropenyl cyclohexene)

IATA : Environmentally hazardous substance, liquid, n.o.s.  
(Octahydro-tetramethyl-naphthalenyl-ethanone, Methyl

Administrative information:  
Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26  
Sales & Distribution Information: VE01/FR/CH11/01  
Shipping Order Information: 18 190 549/11 119 706

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

isopropenyl cyclohexene)

### 14.3 Transport hazard class(es)

**ADR** : 9  
**RID** : 9  
**IMDG** : 9  
**IATA** : 9

### 14.4 Packing group

**ADR** : III  
**RID** : III  
**IMDG** : III  
**IATA** : III

### 14.5 Environmental hazards

**ADR**  
Environmentally hazardous : yes  
**RID**  
Environmentally hazardous : yes  
**IMDG**  
Marine pollutant : yes  
**IATA (Passenger)**  
Environmentally hazardous : yes  
**IATA (Cargo)**  
Environmentally hazardous : yes

### 14.6 Special precautions for user

**ADR**  
Tunnel restriction code : (-)  
**IMDG**  
IMDG Code Segregation : None  
Group

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15. Regulatory information

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

Major Accident Hazard : ENVIRONMENTAL HAZARDS  
Legislation E2

#### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

Quantity 1: 200 t

Quantity 2: 500 t

Water contaminating class : WGK 3 highly water endangering  
(Germany) Classification according to AwSV, Annex 1 (5.2)

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

### SECTION 16. Other information

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

H226	Flammable liquid and vapour.
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.
H332	Harmful if inhaled.
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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CHILL OUT

Version 1.0

Revision Date 15 JUL 2019

Print Date 15 JUL 2019

### Key or legend to abbreviations and acronyms used in the safety data sheet

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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.

#### Administrative information:

Report Information: SDS\_PL/EN/GHS\_SDS\_EU\_CNTRY/26

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

Shipping Order Information: 18 190 549/11 119 706