

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

- Product identifier
- Trade name: Cool
- Article number: 11331-435-3 UFI CODE: 2UC0-61RR-7000-5RRH
- Relevant identified uses of the substance or mixture and uses advised against  
 No further relevant information available.
- Application of the substance / the mixture      Fragrance / Flavour
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
 bekro chemie GmbH & Co KG  
 Industrie Str. 104  
 D-66802 Überherrn  
 GERMANY
- Further information obtainable from:
- Emergency telephone number: +49 6836 9198 0, working hours only

**SECTION 2: Hazards identification**

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



skull and crossbones

Acute Tox. 3      H331 Toxic if inhaled.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2      H315 Causes skin irritation.  
 Eye Irrit. 2      H319 Causes serious eye irritation.  
 Skin Sens. 1      H317 May cause an allergic skin reaction.

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



GHS06   GHS09

- Signal word    Danger
- Hazard-determining components of labelling:  
 linalyl acetate  
 allyl (3-methylbutoxy)acetate  
 Acetyl cedrene  
 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone  
 Linalool  
 (R)-p-mentha-1,8-diene

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

(Contd. of page 1)

eucalyptol

Citral

Hydroxycitronellal

1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one

2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde

beta-Pinene

alpha-Pinene

l-Citronellol

Geraniol

## · Hazard statements

H331 Toxic if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

## · Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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

P280 Wear protective gloves / eye protection / face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P405 Store locked up.

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

## · Other hazards

## · Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

· Chemical characterisation: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

## · Dangerous components:

CAS: 18479-58-8 EINECS: 242-362-4 Reg.nr.: 01-2119457274-37	Dihydromyrcenol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336	>10–<20%
CAS: 115-95-7 EINECS: 204-116-4 Reg.nr.: 01-2119454789-19	linalyl acetate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	>2.5–<10%
CAS: 1506-02-1 EINECS: 216-133-4 Reg.nr.: 01-2119539433-40	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid) ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	>2.5–≤10%
CAS: 32388-55-9 EINECS: 251-020-3 Reg.nr.: 01-2119969651-28	Acetyl cedrene ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	>2.5–≤10%
CAS: 54464-57-2 EINECS: 259-174-3 Reg.nr.: 01-2119489989-04	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone ⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥1–<2.5%
CAS: 78-70-6 EINECS: 201-134-4 Reg.nr.: 01-2119474016-42	Linalool ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥1–≤2.5%

(Contd. on page 3)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

		(Contd. of page 2)
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7 Reg.nr.: 01-2119529223-47	(R)-p-mentha-1,8-diene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥1–<2.5%
CAS: 67634-00-8 EINECS: 266-803-5 Reg.nr.: 01-2120795456-39	allyl (3-methylbutoxy)acetate ⚠ Acute Tox. 1, H330; ⚠ Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	≥0.25–<2.5%
CAS: 470-82-6 EINECS: 207-431-5 Reg.nr.: 01-2119967772-24	eucalyptol ⚠ Flam. Liq. 3, H226; ⚠ Skin Sens. 1, H317	≥0.1–<1%
CAS: 5392-40-5 EINECS: 226-394-6 Index number: 605-019-00-3 Reg.nr.: 01-2119462829-23	Citral ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1–<1%
CAS: 107-75-5 EINECS: 203-518-7 Reg.nr.: 01-2119973482-31	Hydroxycitronellal ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1–<1%
CAS: 56973-85-4 EINECS: 260-486-7	1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one ⚠ Skin Sens. 1, H317	≥0.1–<1%
CAS: 68039-49-6 EINECS: 268-264-1 Reg.nr.: 01-2119982384-28	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.25–<1%
CAS: 127-91-3 EINECS: 204-872-5 Reg.nr.: 01-2119519230-54	beta-Pinene Alternative CAS number: 18172-67-3 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.25–<1%
CAS: 80-56-8 EINECS: 201-291-9 Reg.nr.: 01-2119519223-49	alpha-Pinene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1–<0.25%
CAS: 7540-51-4 EINECS: 231-415-7	l-Citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1–<1%
CAS: 106-24-1 EINECS: 203-377-1 Reg.nr.: 01-2119552430-49	Geraniol ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1–<1%
· Additional information: For the wording of the listed hazard phrases refer to section 16.		

## SECTION 4: First aid measures

- Description of first aid measures
- General information:  
Immediately remove any clothing soiled by the product.  
Remove breathing equipment only after contaminated clothing have been completely removed.  
In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation:  
Supply fresh air or oxygen; call for doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

(Contd. on page 4)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

(Contd. of page 3)

- Information for doctor:
- Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

## SECTION 5: Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture      No further relevant information available.
- Advice for firefighters
- Protective equipment:      Mouth respiratory protective device.

## SECTION 6: Accidental release measures

- Personal precautions, protective equipment and emergency procedures      Not required.
- Environmental precautions:  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- 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 disposal information.

## SECTION 7: Handling and storage

- Handling:
- Precautions for safe handling  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- Information about fire - and explosion protection:      Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:      No special requirements.
- Information about storage in one common storage facility:      Not required.
- Further information about storage conditions:      Keep container tightly sealed.
- Specific end use(s)      No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities:      No further data; see item 7.
- Control parameters
- Ingredients 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.

(Contd. on page 5)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

(Contd. of page 4)

- Additional information: The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Store protective clothing separately.
  - Avoid contact with the eyes and skin.
- Respiratory protection:
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- Material of gloves
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- 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:



Tightly sealed goggles

## SECTION 9: Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
 

Form:	Liquid
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined.
- pH-value: Not determined.
- Change in condition
 

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
- Flash point: 85 °C
- Flammability (solid, gas): Not applicable.

(Contd. on page 6)

GB

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

(Contd. of page 5)

· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits: Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	0.908–0.92 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content: Organic solvents:	1.6 %
VOC (EC)	1.63 %
Solids content:	0.3 %
· Other information	No further relevant information available.

## SECTION 10: Stability and reactivity

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

## SECTION 11: Toxicological information

- Information on toxicological effects
- Acute toxicity  
Toxic if inhaled.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	10,000 mg/kg
Inhalative	LC50/4 h	5 mg/l

78-70-6 Linalool

Oral	LD50	2,790 mg/kg (rat)
Dermal	LD50	5,610 mg/kg (rabbit)

(Contd. on page 7)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

(Contd. of page 6)

5989-27-5 (R)-p-mentha-1,8-diene		
Oral	LD50	4,400 mg/kg (rat)
5392-40-5 Citral		
Oral	LD50	4,960 mg/kg (rat)
7540-51-4 l-Citronellol		
Oral	LD50	3,450 mg/kg (rat)
Dermal	LD50	2,650 mg/kg (rabbit)

- Primary irritant effect:
- Skin corrosion/irritation  
Causes skin irritation.
- Serious eye damage/irritation  
Causes serious eye irritation.
- Respiratory or skin sensitisation  
May cause an allergic skin reaction.
- Additional toxicological information:
- CMR effects (carcinogenicity, 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

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Ecotoxicological effects:
- Remark: Toxic for fish
- Additional ecological information:
- General notes:  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

## SECTION 13: Disposal considerations

- Waste treatment methods
- Recommendation  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

(Contd. on page 8)

GB

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022




Revision: 08.02.2022

Trade name: Cool

(Contd. of page 7)

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

<ul style="list-style-type: none"> <li>· UN-Number</li> <li>· ADR, IMDG, IATA</li> </ul>	UN2810
<ul style="list-style-type: none"> <li>· UN proper shipping name</li> <li>· ADR</li> <li>· IMDG</li> <li>· IATA</li> </ul>	2810 TOXIC LIQUID, ORGANIC, N.O.S. (allyl (3-methylbutoxy)acetate), ENVIRONMENTALLY HAZARDOUS TOXIC LIQUID, ORGANIC, N.O.S. (allyl (3-methylbutoxy)acetate) Toxic liquid, organic, n.o.s. (allyl (3-methylbutoxy)acetate)
<ul style="list-style-type: none"> <li>· Transport hazard class(es)</li> <li>· ADR</li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">   </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	6.1 Toxic substances. 6.1
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>	<div style="display: flex; align-items: center; gap: 10px;">  </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	6.1 Toxic substances. 6.1
<ul style="list-style-type: none"> <li>· Packing group</li> <li>· ADR, IMDG, IATA</li> </ul>	III
<ul style="list-style-type: none"> <li>· Environmental hazards:</li> <li>· Special marking (ADR):</li> </ul>	Symbol (fish and tree)
<ul style="list-style-type: none"> <li>· Special precautions for user</li> <li>· Hazard identification number (Kemler code):</li> <li>· EMS Number:</li> <li>· Stowage Category</li> <li>· Stowage Code</li> </ul>	Warning: Toxic substances. 60 F-A,S-A A SW2 Clear of living quarters.
<ul style="list-style-type: none"> <li>· Transport in bulk according to Annex II of Marpol and the IBC Code</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> </ul>	<hr style="border-top: 1px dashed black;"/>
<ul style="list-style-type: none"> <li>· ADR</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> <li>· Transport category</li> <li>· Tunnel restriction code</li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 2 E

(Contd. on page 9)

GB

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

(Contd. of page 8)

<ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (ALLYL (3-METHYLBUTOXY)ACETATE), 6.1, III, ENVIRONMENTALLY HAZARDOUS

## SECTION 15: Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category  
H2 ACUTE TOXIC  
E2 Hazardous to the Aquatic Environment
- Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H336 May cause drowsiness or dizziness.  
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.
- Department issuing SDS: Abteilung Umweltschutz
- Contact: -
- Abbreviations and acronyms:  
ADR: Accord relatif au transport international 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)  
VOC: Volatile Organic Compounds (USA, EU)  
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

(Contd. on page 10)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Revision: 08.02.2022

Trade name: Cool

(Contd. of page 9)

Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 1: Acute toxicity – Category 1  
Acute Tox. 3: Acute toxicity – Category 3  
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  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
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

\* Data compared to the previous version altered.

GB