

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

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

- **1.1 Product identifier**
- **Trade name:** Carfum Midnight Blue
- **Article number:** 1306
- **UFI:** Q4M3-S0N3-P00S-K2XJ
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Article category** AC1 Vehicles
- **Application of the substance / the mixture** Flavouring agents
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Cartec BV  
Verbreepark 13  
NL-2731 BR Benthuisen  
The Netherlands  
safety@cartecworld.com
- **Further information obtainable from:** Product Safety Department
- **1.4 Emergency telephone number:** During normal opening times: +31 79 3410100

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Flam. Liq. 2      H225 Highly flammable liquid and vapour.  
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**



GHS02    GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
isoeugenol  
Coumarin  
Eugenol  
Cinnamyl alcohol  
Lime oil  
(Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one
- **Hazard statements**  
H225 Highly flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P101      If medical advice is needed, have product container or label at hand.

(Contd. on page 2)

## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

**Trade name: Carfum Midnight Blue**

(Contd. of page 1)

P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P403+P235	Store in a well-ventilated place. Keep cool.
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.

- **Determination of endocrine-disrupting properties**

78-93-3 | butanone

List II

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol ⚠ Flam. Liq. 2, H225	50 - 100%
CAS: 18479-58-8 EINECS: 242-362-4	Dihydromyrcenol ⚠ Eye Irrit. 2, H319	2 - 5%
CAS: 20298-69-5 EINECS: 243-718-1	cis-2-tert-Butylcyclohexyl acetate ⚠ Aquatic Chronic 2, H411	2 - 5%
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	2 - 5%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	< 1%
CAS: 91-64-5 EINECS: 202-086-7	Coumarin ⚠ Acute Tox. 3, H301; ⚠ Skin Sens. 1, H317	0.1 - < 1%
CAS: 97-53-0 EINECS: 202-589-1	Eugenol ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	0.1 - < 1%
CAS: 104-54-1 EINECS: 203-212-3	Cinnamyl alcohol ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	0.1 - < 1%
CAS: 8008-26-2 EINECS: 290-010-3	Lime oil ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1 - < 0.25%

(Contd. on page 3)

## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

Trade name: Carfum Midnight Blue

(Contd. of page 2)

CAS: 81786-73-4 EINECS: 279-822-9	(Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one ⚠ Aquatic Chronic 1, H410 (M=1); ⚠ Skin Sens. 1, H317	0.1 - < 0.25%
CAS: 97-54-1 EINECS: 202-590-7 Index number: 604-094-00-X	isoeugenol ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.01 %	0.01 - < 0.1%
· <b>Non-hazardous components</b>		
CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	25 - 50%
· <b>Regulation (EC) No 648/2004 on detergents / Labelling for contents</b>		
allergenic fragrances		<5%
· <b>Additional information:</b> For the wording of the listed hazard phrases refer to section 16.		

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Generally the product does not irritate the skin.
- **4.2 Most important symptoms and effects, both acute and delayed**
- No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
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 disposal information.

EU

(Contd. on page 4)

## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

Trade name: Carfum Midnight Blue

(Contd. of page 3)

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · **Ingredients with limit values that require monitoring at the workplace:**

##### **34590-94-8 Dipropylene glycol monomethyl ether**

IOELV	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm
	Skin

##### **78-93-3 butanone**

IOELV	Short-term value: 900 mg/m <sup>3</sup> , 300 ppm
	Long-term value: 600 mg/m <sup>3</sup> , 200 ppm

- **Regulatory information** IOELV: (EU) 2019/1831
- **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Wash hands before breaks and at the end of work.
- **Hand protection**



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**

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.

(Contd. on page 5)

## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

Trade name: Carfum Midnight Blue

(Contd. of page 4)

## · Eye/face protection



Tightly sealed goggles

## · Body protection: Protective work clothing

### SECTION 9: Physical and chemical properties

## · 9.1 Information on basic physical and chemical properties

## · General Information

· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Highly flammable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	< 23 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.

## · 9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· Organic solvents:	> 50 - 75 %
· Change in condition	
· Evaporation rate	Not determined.

## · Information with regard to physical hazard classes

· Explosives	Void
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(Contd. on page 6)

## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

Trade name: Carfum Midnight Blue

(Contd. of page 5)

· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Highly flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

## 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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

### · LD/LC50 values relevant for classification:

#### 64-17-5 ethanol

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

#### 34590-94-8 Dipropylene glycol monomethyl ether

Oral	LD50	5,135 mg/kg (rat)
Dermal	LD50	> 19,000 mg/kg (rab)

#### 67-63-0 propan-2-ol

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	13,900 mg/kg (rabbit)
Inhalative	LC50/4 h	25 mg/l (rat)

#### 78-93-3 butanone

Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)

(Contd. on page 7)

## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

**Trade name: Carfum Midnight Blue**

(Contd. of page 6)

**91-64-5 Coumarin**

Oral LD50 293 mg/kg (rat)

**121-33-5 vanillin**

Oral LD50 1,580 mg/kg (rat)

**32210-23-4 4-tert-butylcyclohexyl acetate**

Oral LD50 5,000 mg/kg (rat)

**97-53-0 Eugenol**

Oral LD50 1,930 mg/kg (rat)

**104-54-1 Cinnamyl alcohol**

Oral LD50 2,000 mg/kg (rat)

Dermal LD50 &gt; 5,000 mg/kg (rabbit)

**140-11-4 benzyl acetate**

Oral LD50 2,490 mg/kg (rat)

Dermal LD50 &gt; 5,000 mg/kg (rabbit)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

78-93-3 butanone

List II

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
- For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Harmful to aquatic organisms

EU

(Contd. on page 8)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

Trade name: Carfum Midnight Blue



(Contd. of page 7)

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- European waste catalogue

HP3	Flammable
HP14	Ecotoxic
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- |   |   |
|---|---|
| 14.1 UN number or ID number   | UN1266  |
| ADR, IMDG, IATA   |   |
| 14.2 UN proper shipping name  |   |
| ADR   | 1266 PERFUMERY PRODUCTS, special provision 640D |
| IMDG, IATA  | PERFUMERY PRODUCTS                              |
| 14.3 Transport hazard class(es)   |   |
| ADR   |   |
|  |   |
| Class   | 3 (F1) Flammable liquids.                       |
| Label   | 3   |
| IMDG, IATA  |   |
|  |   |
| Class   | 3 Flammable liquids.                            |
| Label   | 3   |
| 14.4 Packing group  |   |
| ADR, IMDG, IATA   | II  |
| 14.5 Environmental hazards:   | Not applicable.                                 |
| 14.6 Special precautions for user   | Warning: Flammable liquids.                     |
| Hazard identification number (Kemler code):   | 33  |
| EMS Number:   | F-E,S-D   |
| Stowage Category  | B   |
| 14.7 Maritime transport in bulk according to IMO instruments                        | Not applicable.                                 |

(Contd. on page 9)



## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

Trade name: Carfum Midnight Blue

(Contd. of page 8)

#### · Transport/Additional information:

##### · ADR

##### · Limited quantities (LQ)

5L

##### · Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

##### · Transport category

2

##### · Tunnel restriction code

D/E

##### · IMDG

##### · Limited quantities (LQ)

5L

##### · Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

##### · UN "Model Regulation":

UN 1266 PERFUMERY PRODUCTS, 3, II

## SECTION 15: Regulatory information

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

##### · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### · Hazard pictograms



GHS02 GHS07

##### · Signal word Danger

##### · Hazard-determining components of labelling:

isoeugenol

Coumarin

Eugenol

Cinnamyl alcohol

Lime oil

(Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one

##### · Hazard statements

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H412 Harmful 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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

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

(Contd. on page 10)

## Safety data sheet

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

Printing date 21.06.2024

Version number 1

Revision: 21.06.2024

**Trade name: Carfum Midnight Blue**

(Contd. of page 9)

- P280 Wear protective gloves.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **15.2 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**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

#### · **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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration 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