

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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Geruchsbinder ProFuma
- **Article number:** w1002
- **Registration number** The substance is exempt from REACH-registration.
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Profuma
- **Uses advised against** No relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
CAELO
Caesar & Loretz GmbH
Herderstr. 31
D-40721 Hilden
GERMANY
- **Further information obtainable from:**
E-mail: info@caelo.de
Tel.: +49210349940 (during regular opening hours)
- **Emergency telephone number:**
Poison Information Center Bonn
Venusberg-Campus 1, 53127 Bonn
Tel: +49 (0) 228-192400

* 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

- **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



GHS08



GHS09



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 1)

Signal word Danger**Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H410 Very 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.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P362+P364 Take off contaminated clothing and wash it before reuse.

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.**Determination of endocrine-disrupting properties** Not applicable.

3 Composition/information on ingredients

Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 5392-40-5	Citral	16.7–33.3%
EINECS: 226-394-6	Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 84929-31-7	Lemon oil	33.33%
EINECS: 284-515-8	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 470-82-6	eucalyptol	15.947%
EINECS: 207-431-5	Flam. Liq. 3, H226; Skin Sens. 1, H317	
CAS: 7785-26-4	l.-alpha.-Pinene	≥2.5–<4.02%
EINECS: 232-077-3	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 106-24-1	geraniol	1.67–3.33%
EINECS: 203-377-1	Skin Sens. 1A, H317	
CAS: 76-22-2	Bornan-2-on	3.189%
EINECS: 200-945-0	Flam. Sol. 2, H228; STOT SE 2, H371; Acute Tox. 4, H332	
CAS: 18172-67-3	l.-beta.-Pinene	≥2.5–<3.19%
EINECS: 242-060-2	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	

(Contd. on page 3)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

		(Contd. of page 2)
CAS: 87-44-5	beta-Caryophyllene	1.15–2.46%
EINECS: 201-746-1	Asp. Tox. 1, H304; Skin Sens. 1, H317	
CAS: 79-92-5	camphene	>1.13–2.43%
EINECS: 201-234-8	Flam. Sol. 1, H228; Aquatic Chronic 2, H411; Eye Irrit. 2, H319	
CAS: 138-86-3	dipentene	>1.13–2.43%
EINECS: 205-341-0	Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 507-70-0	Borneol	>0.8–1.59%
EINECS: 208-080-0	Flam. Sol. 2, H228; STOT SE 2, H371	
CAS: 123-35-3	Myrcene	≥1–<1.15%
EINECS: 204-622-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 78-70-6	Linalool	≥1–<1.15%
EINECS: 201-134-4	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 105-87-3	geranyl acetate	0.333–0.83%
EINECS: 203-341-5	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 586-62-9	terpinolene	0.333–0.83%
EINECS: 209-578-0	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 97-54-1	isoeugenol	≥0.1–<0.333%
EINECS: 202-590-7	Acute Tox. 4, H302; Skin Sens. 1A, H317	
	Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.01 %	

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

4 First aid measures

· Description of first aid measures

· After inhalation:

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

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

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** If symptoms persist consult 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.

5 Firefighting measures

· Extinguishing media

· Suitable extinguishing agents:

All regular extinguishing media can be used.

Use fire extinguishing methods suitable to surrounding conditions.

· Special hazards arising from the substance or mixture

Combustible. In case of fire dangerous vapours/gases can be generated: Smoke gases.

(Contd. on page 4)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 3)

- **Advice for firefighters**
- **Protective equipment:** In case of fire wear suitable protective clothes and respiratory protection.
- **Additional information**
Prevent from entering into drains. Fire residues must be disposed in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Avoid contact with the substance.
Wear protective equipment. Keep unprotected persons away.
- **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.
- **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.
- **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.

7 Handling and storage

- **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.
Good ventilation / exhaustion of working place and storage place.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
Store at a dry and well-ventilated place.
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** TRHS 510: 3 Flammable liquid
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
CAS: 5392-40-5 Citral
OEL Long-term value: 5 ppm
Inhalable fraction and vapour

(Contd. on page 5)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 4)

CAS: 76-22-2 Bornan-2-onOEL Short-term value: 18 mg/m³, 3 ppmLong-term value: 12 mg/m³, 2 ppm· **Additional information:** The lists valid during the making were used as basis.· **Exposure controls**· **Appropriate engineering controls** No further data; see item 7.· **Individual protection measures, such as 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.

Avoid contact with the skin.

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.

· **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**

Rubber gloves

PVC gloves

Neoprene gloves

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Tightly sealed goggles· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Physical state**

Fluid

· **Colour:**

Yellowish

· **Odour:**

Aromatic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Undetermined.

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

52 °C (CAS: 84929-31-7 Lemon oil)

· **Decomposition temperature:**

Not determined.

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 5)

· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	0.9 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Auto-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:	>1.1–2.4 %
· VOC (EC)	>1.13–2.43 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	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

(Contd. on page 7)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 6)

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.

* 11 Toxicological information

- **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:**
 - ATE (Acute Toxicity Estimates)**
Inhalative LC50 47 mg/m³
 - CAS: 5392-40-5 Citral**
Oral LD50 4,960 mg/kg (rat)
 - CAS: 470-82-6 eucalyptol**
Oral LD50 4,500 mg/kg (rat)
Dermal LD50 2,000 mg/kg (rabbit)
 - CAS: 7785-26-4 l.-alpha.-Pinene**
Oral LD50 3,700 mg/kg (rat)
 - CAS: 76-22-2 Bornan-2-on**
Oral LD50 1,310 mg/kg (mouse)
5,000 mg/kg (rat)
 - CAS: 79-92-5 camphene**
Oral LD50 5,000 mg/kg (rat)
Dermal LD50 2,500 mg/kg (rab)
 - CAS: 78-70-6 Linalool**
Oral LD50 2,790 mg/kg (rat)
Dermal LD50 5,610 mg/kg (rabbit)
 - CAS: 97-54-1 isoeugenol**
Oral LD50 1,560 mg/kg (rat)
- **Skin corrosion/irritation** Causes skin irritation.
- **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.

(Contd. on page 8)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 7)

- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **Information on other hazards**
- **Endocrine disrupting properties**
On the basis of the available data, the substance does not meet the criteria for the identification of substances having properties of interference with the endocrine system, in accordance with Article 59, paragraph 1 of the REACH Regulation and the criteria established in the Delegated Regulation (EU) 2017 / 2100 of the Commission or in Commission Regulation (EU) 2018/605.

* 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
 - CAS: 470-82-6 eucalyptol**
LC50 57 mg/L /4d (Fish)
EC50 74 mg/L (Algae)
100 mg/L /48h (invertebrates)
100 mg/L (Microorganism)
 - CAS: 76-22-2 Bornan-2-on**
LC50 36 mg/L /96h (fish: danio rerio)
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**
Based on the available data, the substance does not meet the criteria for the identification of substances with properties affecting the endocrine system according to Article 59(1) of the REACH Regulation and the criteria of the Commission Delegated Regulation (EU) 2017/2100 or in the Commission Regulation (EU) 2018/605.
- **Other adverse effects**
- **Remark:** Very 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.

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 local regulations.

(Contd. on page 9)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 8)

14 Transport information

· UN number or ID number	UN1993
· ADR, IMDG, IATA	
· UN proper shipping name	
· ADR	1993 FLAMMABLE LIQUID, N.O.S. (Lemon ext., eucalyptol), ENVIRONMENTALLY HAZARDOUS
· IMDG	FLAMMABLE LIQUID, N.O.S. (Lemon, ext., eucalyptol, alpha-PINENE, l-.beta.-Pinene, camphene, DIPENTENE, Myrcene, TERPINOLENE), MARINE POLLUTANT
· IATA	Flammable liquid, n.o.s. (Lemon, ext., eucalyptol)
· Transport hazard class(es)	
· ADR, IMDG, IATA	
· Class	3 Flammable liquids.
· Label	3
· Packing group	
· ADR, IMDG, IATA	III
· Environmental hazards:	Product contains environmentally hazardous substances: Lemon oil
· Marine pollutant:	Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, <u>S-E</u>
· Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	

· ADR	
· Limited quantities (LQ)	5L
· Transport category	3
· Tunnel restriction code	D/E

· IMDG	
· Limited quantities (LQ)	5L
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (LEMON OIL, EUCALYPTOL), 3, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
 - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV) Not listed
 - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
 - DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
- None of the ingredients is listed.

(Contd. on page 10)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

(Contd. of page 9)

- **National regulations:**
- **Storage of hazardous substances in in nonstationary vessels (TRGS 510) (Germany)**
TRHS 510: 3 Flammable liquid
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The information provided is based on our current level of knowledge. This MSDS has been compiled and is exclusively for this product intended.

- **Reasons for alterations** This version replaces all old versions.
- **Relevant phrases**
H226 Flammable liquid and vapour.
H228 Flammable solid.
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.
H332 Harmful if inhaled.
H371 May cause damage to organs.
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.
- **Date of previous version:** 07.03.2023
- **Version number of previous version:** 1.00
- **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)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
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
Flam. Sol. 1: Flammable solids – Category 1
Flam. Sol. 2: Flammable solids – Category 2
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
Skin Sens. 1A: Skin sensitisation – Category 1A
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
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

(Contd. on page 11)



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

Printing date 08.03.2023

Version number 2.00 (replaces version 1.00)

Revision: 08.03.2023

Trade name: Geruchsbinder ProFuma

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

(Contd. of page 10)

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

IE