



2330404

Reviewed on: 25.04.2025 Printing date: 25.04.2025

#### SECTION 01: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Trade name: Pepper, black, oil
- Article number: B775F
- CAS Number:
- 8006-82-4
- EC Number: 284-524-7
- No CAS EINECS: 84929-41-9
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation Perfume ingredient Flavouring agent Only for industrial use
- 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GOLGEMMA TEL: +33(0)4.68.74.17.89 Route de FA email: fds@golgemma.com 11260 ESPERAZA

**FRANCE** 

1.4 Emergency telephone number: FR-ORFILA (INRS):+33(0)1 45 42 59 59

#### SECTION 02: Hazards identification

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



GHS08

Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS02

Flam. Liq. 3 - H226 Flammable liquid and vapour.



GHS07

Skin Irrit. 2 - H315 Causes skin irritation. Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

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

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms







GHS07



GHS08 GHS02

Signal word

GHS09

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#### according to 2020/878/EC (1907/2006/EC Article 31)

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#### **PRODUCT:** Pepper, black, oil

Hazard statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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.

 ${\tt P301+P310\;IF\;SWALLOWED:\;Immediately\;call\;a\;POISON\;CENTER/\;doctor.}$ 

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 None of the ingredients is listed.

#### SECTION 03: Composition/information on ingredients

3.1 Substances

CAS No. Description 8006-82-4 Pepper, black, oil Identification number(s)

EC number: 284-524-7

• Dangerous components:

**CAS Number BETA-CARYOPHYLLENE** 87-44-5 20,001-50,00 EC number: 201-746-1 🕸 Asp. Tox. 1 - H304; 😲 Skin Sens. 1B - H317 5989-27-5 d-limonene 20,001-50,00

EC number: 227-813-5

Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; 🕚 Skin Irrit. 2 - H315, Skin

Sens. 1B - H317; Aquatic Acute 1 -H400 (M=1): Aquatic Chronic 3 - H412

ALPHA-PINENE 80-56-8 10,001-20,00

EC number: 201-291-9

Asp. Tox. 1 - H304; Flam. Liq. 3 Irrit. 2 - H315, Skin Sens. 1B - H317

127-91-3 **BETA-PINENE** 10,001-20,00

EC number: 204-872-5

Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; 💠 Skin Irrit. 2 - H315, Skin

Sens. 1B - H317

13466-78-9 delta-3-Carene 10,001-20,00

EC number: 236-719-3

Asp. Tox. 1 - H304; Flam. Liq. 3

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*	- H226; 🕚 Acute Tox. 4 - H332, Skin	(continued of page 2)
* 123-35-3	Irrit. 2 - H315, Skin Sens. 1B - H317 <b>Myrcene</b> EC number: 204-622-5	1,001- 5,000
99-83-2	- H226;	1,001- 5,000
1139-30-6	- H226  Caryophyllene oxide  EC number: 214-519-7  Aquatic Chronic 2 - H411	1,001- 5,000
99-87-6	p-cymene EC number: 202-796-7  Acute Tox. 3 - H331; ♣ Asp. Tox. 1 - H304; ♠ Flam. Liq. 3 - H226; ♣	0,101-1,000
586-62-9	Aquatic Chronic 2 - H411  TERPINOLENE  EC number: 209-578-0  Asp. Tox. 1 - H304; Skin Sens.  1B - H317; Aquatic Acute 1 - H400	0,101-1,000
79-92-5	(M=1), Aquatic Chronic 1 - H410 (M=1)  camphene  EC number: 201-234-8  → Flam. Sol. 1 - H228; → Eye Irrit.	0,101-1,000
78-70-6	2 - H319;	0,101-1,000
13877-91-3	H319, Skin Sens. 1B - H317 <b>3,7-Dimethyl-1,3,6-octatriene</b> EC number: 237-641-2  Asp. Tox. 1 - H304; Flam. Liq. 3  - H226; Skin Irrit. 2 - H315;	0,101-1,000
	- H226; Skin Irrit. 2 - H315; Aquatic Acute 1 - H400 (M=1), Aquatic Chronic 2 - H411	

### SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
  - Seek immediate medical advice.
- After inhalation:
  - Supply fresh air and to be sure call for a doctor.
- After skin contact:
  - If skin irritation continues, consult a doctor.
- 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.

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 After swallowing: Seek immediate medical advice.

· Information for doctor:

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

### SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
   CO2, sand, extinguishing powder. Do not use water.
   Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents:
   Water with full jet
- 5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
- Protective equipment:

Do not inhale explosion gases or combustion gases.

Additional information
 Cool endangered receptacles with water spray.

#### SECTION 06: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources.

#### 6.2 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.

6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.

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.

#### SECTION 07: Handling and storage

#### 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Handle with care. Avoid jolting, friction and impact.

 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 only in the original receptacle.

Prevent any seepage into the ground.

Use only receptacles specifically permitted for this substance/ product.

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- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

#### SECTION 08: Exposure controls/personal protection

#### 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:
- Not required.
- Additional information:

The lists valid during the making were used as basis.

#### 8.2 Exposure controls

- 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.

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.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

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.

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

Safety glasses

Body protection:

Impervious protective clothing

**Boots** 

### SECTION 09: Physical and chemical properties

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

**General Information** 

Physical state Fluid Colour: colourless Odour: fresh

Odour threshold: Not determined. Boiling point or initial boiling point and Not determined.

boiling range

Flammability Not determined.

Lower and upper explosion limit

Lower: Not determined. Upper: Not determined.

Flash point: 43,0 °C NFT 60-103 CC

**Decomposition temperature:** Not determined.

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**pH** Not determined.

Viscosity:

Kinematic viscosity at 40,00 °C 6,00 mm2/s

**Dynamic:** Not determined.

Solubility

water: Not determined.

Partition coefficient n-octanol/water (log Not determined.

value)

Vapour pressure: Not determined.

Density and/or relative density

Density:Not determined.Relative density0,8600 0,900 (D20/20)Vapour densityNot determined.

**9.2 Other information** No further relevant information available.

Appearance:

Form: fluid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: Not determined.

Explosive properties: Not determined.

Solvent content:

Solids content: 0,00 %

Change in condition

**Evaporation rate** Not determined.

Information with regard to physical hazard classes

Explosivesnot applicableFlammable gasesnot applicableAerosolsnot applicableOxidising gasesnot applicableGases under pressurenot applicable

Flammable liquids Flammable liquid and vapour.

Flammable solids not applicable
Self-reactive substances and mixtures not applicable
Pyrophoric liquids not applicable
Pyrophoric solids not applicable
Self-heating substances and mixtures not applicable
Substances and mixtures, which emit not applicable

flammable gases in contact with water

Oxidising liquids not applicable
Oxidising solids not applicable
Organic peroxides not applicable
Corrosive to metals not applicable
Desensitised explosives not applicable

#### SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

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No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Not determined.

#### SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity
- LD/LC50 values relevant for classification:

ISO LD/LC

8006-82-4 Pepper, black, oil Oral, LD50: >=5000 mg/kg (rat)

Dermal, LD50: >=5000 mg/kg (Rabbit)

BETA-CARYOPHYLLENE 87-44-5 Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)

5989-27-5 (R)-p-mentha-1,8-diene

Oral, LD50: 4400 mg/kg (rat)

13466-78-9 delta-3-Carene

Oral, LD50: 4800 mg/kg (rat) (Moreno 1975)

99-83-2 Alpha phellandrene

Oral, LD50: > 5700 mg/kg (rat) (Moreno 1972)

Caryophyllene oxide 1139-30-6 Oral, LD50: >5000 mg/kg (rat) (Moreno 1978)

79-92-5 camphene Oral, LD50: 5000 mg/kg (rat)

Dermal, LD50: 2500 mg/kg (Rabbit)

LINALOOL

Oral, LD50: 2790 mg/kg (rat) Dermal, LD50: 5610 mg/kg (Rabbit)

Primary irritant effect:

Skin corrosion/irritation

Irritant to skin and mucous membranes.

Causes skin irritation.

Serious eye damage/irritation

No irritating effect.

Respiratory or skin sensitisation

Sensitization possible through skin contact.

Germ cell mutagenicity

**BETA-CARYOPHYLLENE** 

OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

1139-30-6 Caryophyllene oxide

OECD 471 AMES: NEGATIVE (in vitro) (Richold and al, 1979)

78-70-6

LINALOOL

OECD 471 AMES: NEGATIVE (in vitro) (Letizia and al., 2007)

Carcinogenicity

LINALOOL Micronoyau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007)

Micronoyau: NEGATIVE (in vitro) (DiSotto and al., 2011)

Reproductive toxicity

Not determined.

STOT-single exposure

Not determined.

STOT-repeated exposure

Not determined.

Aspiration hazard

May be fatal if swallowed and enters airways.

May be fatal if swallowed and enters airways.

Subacute to chronic toxicity:

**BETA-CARYOPHYLLENE** 87-44-5

Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)

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• 11.2 Information on other hazards

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• Endocrine disrupting properties

None of the ingredients is listed.

#### SECTION 12: Ecological information

#### 12.1 Toxicity

• Aquatic toxicity:

8006-82-4 Pepper, black, oil CE50/48h: 45,00 mg/l (daphnia)

5989-27-5 (R)-p-mentha-1,8-diene

LD50: 0,71 mg/l (fish) (OECD 203)

123-35-3 Myrcene LD50: 0,51 mg/l (fish) (OECD 203) CE50/48h: 0,65 mg/l (daphnia)

99-87-6 p-cymene LD50: 1,63 mg/l (fish) (OECD 203)

78-70-6 LINALOOL LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991) ErC50(0-72h): 156,7 mg/l (algae) ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)

#### 12.2 Persistence and degradability

No further relevant information available.

• Behaviour in environmental systems: Not determined.

#### 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

The product does not contain substances with endocrine disrupting properties.

#### 12.7 Other adverse effects

No further relevant information available.

- Ecotoxical effects:
- Not determined.
- Remark:
  - Toxic for fish
  - Additional ecological information:
  - · General notes:
  - Toxic for aquatic organisms

The material is harmful to the environment.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Recommendation
  - Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

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#### SECTION 14: Transport information

14.1 UN number or ID number

. ADR UN1197
. IMDG UN1197
. IATA UN1197

14.2 UN proper shipping name

. ADR 1197 EXTRACTS, LIQUID

. IMDG EXTRACTS, LIQUID (PEPPER, BLACK, OIL)

. IATA EXTRACTS, LIQUID

14.3 Transport hazard class(es)

. ADR

Class 3 (F1) Flammable liquids.

Label





IMDG

. Class 3 Flammable liquids.

Label





. IATA

Class 3 Flammable liquids.

. Label



14.4 Packing group

14.5 Environmental hazards:

. Marine pollutant: Yes
. Danger code (Kemler): 30
. EMS Number: F-E,S-D

14.6 Special precautions for user

Warning: Flammable liquids.

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

• Transport/Additional information:

ADR

. Excepted quantities (EQ): E1
. Limited quantities (LQ) 5L
. Transport category 3
. Tunnel restriction code D/E

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. IMDG

Limited quantities (LQ)Excepted quantities (EQ)E1

• UN "Model Regulation":

UN 1197 EXTRACTS, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS

#### SECTION 15: Regulatory information

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

- 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.
- REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II REPORTABLE EXPLOSIVES PRECURSORS None of the ingredients is listed.
- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors None of the ingredients is listed.
- · National regulations:
- Technical instructions (air):
- Class Share in % I 0,04
- Waterhazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

#### 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

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.
	H331	Toxic if inhaled.
*	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.

#### Training hints

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

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· Date of previous version:

29.11.2024

Version number of previous version:

1.00

#### · Abbreviations and acronyms:

IFRA:International Fragrance Association IOFI:International Organization of the Flavor Industry

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning

the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations

Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association ICAO: International Civil Aviation Organisation

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

#### Sources

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

• \* Data compared to the previous version altered.