

Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 01.07.2022

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

Product identifier

Trade name: **Black Pepper**

Article number: 12074-489-5 (A.621.01)

UFI: GHT1-60XK-J005-38DF

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:

MINIMA Martyna Kotur

145 Puławska Street

Warsaw, 02-715

POLAND

Emergency telephone number: +48 578 715 000 (office hours only)

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

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



GHS07



GHS08



GHS09

Signal word Danger

Hazard-determining components of labelling:

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone
Lemon oil

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linalyl acetate
Patchouli oil
Linalool
alpha-Hexylcinnamaldehyde
hexyl salicylate
dl-Citronellol
Hydroxycitronellal
Citral
benzyl salicylate
Coumarin
Celery extract
Lavandin grosso
geranyl acetate
Opoponax oil
Orange, sour, extract

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye 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 label before use.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.

SECTION 3: Composition/information on ingredients**Chemical characterisation: Mixtures**

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

Dangerous components:

CAS: 54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	20.005%
EINECS: 259-174-3		
Reg.nr.: 01-2119489989-04	⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	

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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	8.002%
CAS: 84929-31-7 EINECS: 284-515-8 Reg.nr.: 01-2119495512-35	Lemon oil ⚠ 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. 1, H317	7.0018%
CAS: 8014-09-3 EINECS: 282-493-4	Patchouli oil ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411	5.0013%
CAS: 78-70-6 EINECS: 201-134-4 Index number: 603-235-00-2 Reg.nr.: 01-2119474016-42	Linalool ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	4.001%
CAS: 101-86-0 EINECS: 202-983-3 Reg.nr.: 01-2119533092-50	alpha-Hexylcinnamaldehyde ⚠ Skin Sens. 1, H317	4.001%
CAS: 105-95-3 EINECS: 203-347-8 Reg.nr.: 01-2119976314-33	Ethylene brassylate ⚠ Skin Irrit. 2, H315	4.001%
CAS: 6259-76-3 EINECS: 228-408-6 Reg.nr.: 01-2119638275-36	hexyl salicylate ⚠ Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	3.0008%
CAS: 18479-58-8 EINECS: 242-362-4 Reg.nr.: 01-2119457274-37	Dihydromyrcenol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	3.0008%
CAS: 1335-46-2 EINECS: 215-635-0 Reg.nr.: 01-2119471851-35	Methyl ionone (mixture of isomers) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315	2.0005%
CAS: 28219-61-6 EINECS: 248-908-8 Reg.nr.: < 1 TPA (EXEMPTED)	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Eye Irrit. 2, H319	2.0005%
CAS: 106-22-9 EINECS: 203-375-0 Reg.nr.: 01-2119453995-23	dl-Citronellol ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.8002%
CAS: 107-75-5 EINECS: 203-518-7 Reg.nr.: 01-2119973482-31	Hydroxycitronellal ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	0.8002%
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	0.8002%
CAS: 118-58-1 EINECS: 204-262-9 Reg.nr.: 01-2119969442-31	benzyl salicylate ⚠ Skin Sens. 1, H317	0.7002%
CAS: 91-64-5 EINECS: 202-086-7 Reg.nr.: 01-2119943756-26	Coumarin ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Chronic 3, H412	0.6002%
CAS: 8015-90-5 EINECS: 289-668-4	Celery extract ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.5001%

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CAS: 8022-15-9 EINECS: 294-470-6	Lavandin grosso ⚠ Asp. Tox. 1, H304; ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	0.5001%
CAS: 105-87-3 EINECS: 203-341-5 Reg.nr.: 01-2119973480-35	geranyl acetate ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	0.2001%
CAS: 9000-78-6 Reg.nr.: < 1 TPA (EXEMPTED)	Opoponax oil ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1%
CAS: 72968-50-4 EINECS: 277-143-2 Reg.nr.: 01-2120060289-52	Orange, sour, extract ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1%

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.
- 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. If symptoms persist, consult a doctor.
- After swallowing:** If symptoms persist consult doctor.
- 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:**
CO₂, 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:** No special measures required.

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.

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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.

Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

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.

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.

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.

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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:**

Fluid

Colour:

Yellow

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:

>60 °C

Flammability (solid, gas):

Not applicable.

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:0.93–0.942 g/cm³**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.

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Kinematic:	Not determined.
Solvent content: VOC (EC)	0.00 %
Solids content:	1.8 %
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** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

78-70-6 Linalool	
Oral	LD50 2,790 mg/kg (rat)
Dermal	LD50 5,610 mg/kg (rabbit)
106-22-9 dl-Citronellol	
Oral	LD50 3,450 mg/kg (rat)
Dermal	LD50 2,650 mg/kg (rabbit)
5392-40-5 Citral	
Oral	LD50 4,960 mg/kg (rat)
91-64-5 Coumarin	
Oral	LD50 293 mg/kg (rat)

- **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.
- **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.

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Aspiration hazard
May be fatal if swallowed and enters airways.

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.
- **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.
- **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.
 - **European waste catalogue**
- | | |
|------|---|
| HP4 | Irritant - skin irritation and eye damage |
| HP13 | Sensitising |
| 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

- **UN-Number**
ADR, IMDG, IATA UN3082
- **UN proper shipping name**
ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lemon oil, 1-(1, 2, 3, 4, 5, 6, 7, 8 - Octahydro - 2, 3, 8, 8 - tetramethyl-2-naphthalenyl)ethanone)
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lemon oil, 1-(1, 2, 3, 4, 5, 6, 7, 8 - Octahydro - 2, 3, 8, 8 - tetramethyl-2-naphthalenyl)ethanone),

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· IATA	MARINE POLLUTANT Environmentally hazardous substance, liquid, n.o.s. (Lemon oil, 1-(1,2,3,4,5,6,7,8- Octahydro-2,3,8,8-tetramethyl-2- naphthalenyl)ethanone)
· Transport hazard class(es) · ADR, IMDG, IATA	
· Class	9 Miscellaneous dangerous substances and articles.
· Label	9
· Packing group · ADR, IMDG, IATA	III
· Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
· Hazard identification number (Kemler code): · EMS Number: · Stowage Category	90 F-A,S-F A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 -
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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UN "Model Regulation":

UN 3082 ENVIRONMENTALLY
HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(LEMON OIL, 1 - (1, 2, 3, 4, 5, 6, 7, 8 -
OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-
NAPHTHALENYL)ETHANONE), 9, III

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 E1 Hazardous to the Aquatic Environment
- Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- 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.

- 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.
H319 Causes serious eye irritation.
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.

- Department issuing SDS: Abteilung Umweltschutz

Contact: -**Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

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Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity - oral – 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. 1B: Skin sensitisation – Category 1B
 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
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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