

DEODORANTE AMBIENTE MUSCHIO BIANCO 300ML BON AIR

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: SDS-04272022-1
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Mixture
Trade name	: DEODORANTE AMBIENTE MUSCHIO BIANCO 300ML BON AIR
UFI	: ESN0-K9VA-X00A-2KTU
Vaporizer	: Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public	
Main use category	: Consumer use
Use of the substance/mixture	: Air freshener Deodorant for rooms

1.2.2. Uses advised against

Restrictions on use	: Uses other than those recommended
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1.3. Details of the supplier of the safety data sheet

Manufacturer

GOLF KIMYA SAN. VE TIC. LTD. STI.
Gökevler Mah. 2312 Sok.
Ginza Korner Plaza No:16/C Kat:9/109
Istanbul – Esenyurt
TURKEY
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1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.

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Precautionary statements (CLP)	: P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately - 40°C to 80°C (- 40°F to 176°F).]	CAS-No.: 68476-85-7 EC-No.: 270-704-2 EC Index-No.: 649-202-00-6	21.4286	Flam. Gas 1, H220 Press. Gas (Comp.), H280
ethanol; ethyl alcohol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	0.9524	Flam. Liq. 2, H225
Sodium benzoate	CAS-No.: 532-32-1 EC-No.: 208-534-8	0.4762	Eye Irrit. 2, H319
sodium nitrite	CAS-No.: 7632-00-0 EC-No.: 231-555-9 EC Index-No.: 007-010-00-4 REACH-no: 01-2119471836-27	0.1429	Ox. Sol. 3, H272 Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400
Sorbitan oleate	CAS-No.: 1338-43-8 EC-No.: 215-665-4	0.0952	Not classified
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227-29	0.070	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Phenethyl alcohol	CAS-No.: 60-12-8 EC-No.: 200-456-2 REACH-no: 01-2119963921-31	0.039	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

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Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4-tert-butylcyclohexyl acetate	CAS-No.: 32210-23-4 EC-No.: 250-954-9 REACH-no: 01-2119976286-24	0.023	Skin Sens. 1B, H317
reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	CAS-No.: 54464-57-2 EC-No.: 915-730-3 REACH-no: 01-2119489989-04	0.021	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410
methyl cedryl ether	CAS-No.: 67874-81-1 EC-No.: 267-510-5 REACH-no: 01-2120228335-61	0.018	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Tetrahydro-4-methyl-2-(2-methylpropyl)-2H-pyran-4-ol	CAS-No.: 63500-71-0 EC-No.: 405-040-6 EC Index-No.: 603-101-00-3 REACH-no: 01-2119455547-30	0.017	Eye Irrit. 2, H319
6-acetyl-1,1,2,4,4,7-hexamethyl tetralin (tonalide, fixolide, ahtn)	CAS-No.: 1506-02-1 EC-No.: 216-133-4 REACH-no: 01-2119539433-40	0.016	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	0.014	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Nerol	CAS-No.: 106-25-2 EC-No.: 203-378-7 REACH-no: 01-2119983244-33	0.010	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
alpha-iso-methylionone	CAS-No.: 127-51-5 EC-No.: 204-846-3 REACH-no: 01-2119471851-35	0.009	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5 REACH-no: 01-2119552430-49	0.009	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Citronellol	CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995-23	0.009	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 REACH-no: 01-2119969442-31	0.009	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412

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Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl alcohol	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	0.007	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
Coumarin	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119949300-45	0.007	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Methyl ionone	CAS-No.: 1335-46-2 EC-No.: 215-635-0 REACH-no: 01-2119471851-35	0.005	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Dec-9-en-1-ol	CAS-No.: 13019-22-2 EC-No.: 235-878-6 REACH-no: 01-2120767272-53	0.004	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Butylated hydroxytoluene	CAS-No.: 128-37-0 EC-No.: 204-881-4 REACH-no: 01-2119555270-46	0.003	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Tetrahydrogeraniol	CAS-No.: 106-21-8 EC-No.: 203-374-5 REACH-no: 01-2119955073-40	0.003	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
4-acetyl-6-t-butyl-1,1-dimethylindan	CAS-No.: 13171-00-1 EC-No.: 236-114-4 REACH-no: 01-2120762756-42	0.002	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-tert-butylcyclohexyl acetate	CAS-No.: 88-41-5 EC-No.: 201-828-7 REACH-no: 01-2119970713-33	0.002	Aquatic Chronic 2, H411
Reaction mass of (3R,5R)-3,5,6,6-tetramethyl-4-methylideneheptan-2-one and (3R,5S)-3,5,6,6-tetramethyl-4-methylideneheptan-2-one and (E)-3,4,5,6,6-pentamethylhept-3-en-2-one	CAS-No.: 81786-73-4 EC-No.: 939-627-8 REACH-no: 01-2119980043-42	0.002	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	CAS-No.: 16409-43-1 EC-No.: 240-457-5 REACH-no: 01-2119976300-42	0.001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361
cedrol	CAS-No.: 77-53-2 EC-No.: 201-035-6	0.001	Aquatic Chronic 2, H411
(2E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	CAS-No.: 24720-09-0 EC-No.: 246-430-4 REACH-no: 01-2120105799-47	0.001	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
3,3,5,5-tetramethyl-4-ethoxyvinyl cyclohexanone	CAS-No.: 36306-87-3 EC-No.: 252-961-2 REACH-no: 01-2120224905-56	0.001	Skin Irrit. 2, H315 Aquatic Chronic 2, H411

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Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
beta-methyllionone	CAS-No.: 127-43-5 EC-No.: 204-843-7	0.001	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
3-(4-isobutyl-2-methylphenyl)propanal	CAS-No.: 1637294-12-2 EC-No.: 811-285-3 REACH-no: 01-2120103156-71	0.001	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
10-undecenal	CAS-No.: 112-45-8 EC-No.: 203-973-1 REACH-no: 01-2119990746-20	0.0002	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Water fog. Foam. Dry powder. Carbon dioxide (CO ₂). Sand.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol. Contact with combustible material may cause fire.
Explosion hazard	: Pressurised container: May burst if heated. Risk of explosion if heated under confinement.
Hazardous decomposition products in case of fire	: On heating or during combustion : Toxic fumes may be released. Carbon oxides (CO, CO ₂).

5.3. Advice for firefighters

Precautionary measures fire	: Keep away from combustible materials. Keep container closed when not in use. Approach from upwind.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Keep upwind. Do not enter fire area without proper protective equipment, including respiratory protection. Eliminate all ignition sources if safe to do so. Contain the extinguishing fluids by bunding.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Notify authorities if product enters sewers or public waters. High temperature decomposition products are harmful by inhalation. Inhalation of vapour can cause breathing difficulties.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Keep public away from danger area.
6.1.1. For non-emergency personnel	
Protective equipment	: For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not touch or walk on the spilled product. Notify fire brigade and environmental authorities.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Do not touch or walk on the spilled product.
Methods for cleaning up	: Mechanically recover the product. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep cool. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep only in the original container in a cool well ventilated place.
Incompatible products	: Strong acids. Strong bases. Strong oxidizing agents.
Incompatible materials	: Extremely high or low temperatures.
Heat and ignition sources	: Keep away from heat and direct sunlight. Keep away from sources of ignition.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Store, if possible, in a cool, well ventilated place away from incompatible materials.

7.3. Specific end use(s)

See Section 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

ethanol; ethyl alcohol (64-17-5)

DNEL/DMEL (Workers)

Acute - local effects, inhalation	1900 mg/m ³
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m ³

DNEL/DMEL (General population)

Acute - local effects, inhalation	950 mg/m ³
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m ³
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l
PNEC aqua (intermittent, freshwater)	2.75 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt

PNEC (Soil)

PNEC soil	0.63 mg/kg dwt
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PNEC (Oral)

PNEC oral (secondary poisoning)	0.72 g/kg food
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PNEC (STP)

PNEC sewage treatment plant	580 mg/l
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sodium nitrite (7632-00-0)

DNEL/DMEL (Workers)

Acute - systemic effects, inhalation	2 mg/m ³
Long-term - systemic effects, inhalation	2 mg/m ³

PNEC (Water)

PNEC aqua (freshwater)	0.0054 mg/l
PNEC aqua (marine water)	0.00616 mg/l
PNEC aqua (intermittent, freshwater)	0.0054 mg/l

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sodium nitrite (7632-00-0)	
PNEC (Sediment)	
PNEC sediment (freshwater)	0.0195 mg/kg dwt
PNEC sediment (marine water)	0.0223 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.000733 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	21 mg/l
Sodium benzoate (532-32-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	62.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3 mg/m ³
Long-term - local effects, inhalation	0.1 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	16.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.5 mg/m ³
Long-term - systemic effects, dermal	31.25 mg/kg bodyweight/day
Long-term - local effects, inhalation	0.06 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.13 mg/l
PNEC aqua (marine water)	0.013 mg/l
PNEC aqua (intermittent, freshwater)	305 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.76 mg/kg dwt
PNEC sediment (marine water)	0.176 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.06 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	300 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	23.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.21 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	0.0664 mg/m ³

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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Wear protective clothing. Gas mask.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. Use splash goggles when eye contact due to splashing is possible

8.2.2.2. Skin protection

Skin and body protection:

According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn

Hand protection:

Protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The breakthrough time of the selected gloves must be greater than the intended use period. Gloves must be replaced after each use and whenever signs of wear or perforation appear

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Aerosol
Colour	: clear.
Appearance	: Transparent.
Odour	: characteristic.
Odour threshold	: No test data or calculation method available.
Melting point	: Not applicable
Freezing point	: No test data or calculation method available.
Boiling point	: No test data or calculation method available.
Flammability	: Extremely flammable aerosol.
Explosive properties	: Pressurised container: May burst if heated.
Explosive limits	: No test data or calculation method available.
Lower explosion limit	: 1.9 vol % (Component: Petroleum gases, liquefied; Petroleum gas)
Upper explosion limit	: 9 vol % (Component: Petroleum gases, liquefied; Petroleum gas)
Flash point	: No test data or calculation method available.
Auto-ignition temperature	: No test data or calculation method available.

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Decomposition temperature	: No test data or calculation method available.
pH	: No test data or calculation method available.
Viscosity, kinematic	: No test data or calculation method available.
Solubility	: No test data or calculation method available.
Partition coefficient n-octanol/water (Log Kow)	: No test data or calculation method available.
Vapour pressure	: No test data or calculation method available.
Vapour pressure at 50°C	: No test data or calculation method available.
Density	: 1.1 g/cm ³
Relative density	: No test data or calculation method available.
Relative vapour density at 20°C	: No test data or calculation method available.
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 22,381 %

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

sodium nitrite (7632-00-0)	
LD50 oral rat	180 mg/kg bodyweight Animal: rat, Animal sex: male
Sodium benzoate (532-32-1)	
LD50 oral rat	3450 mg/kg bodyweight Animal: rat, 95% CL: 3150 - 3740
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	> 12.2 mg/l air Animal: rat
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)

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Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

ethanol; ethyl alcohol (64-17-5)

LOAEL (oral, rat, 90 days)	3200 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	1730 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other:
NOAEL (subchronic, oral, animal/male, 90 days)	< 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	> 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

sodium nitrite (7632-00-0)

NOAEL (subchronic, oral, animal/male, 90 days)	220 mg/kg bodyweight Animal: mouse, Animal sex: male
NOAEL (subchronic, oral, animal/female, 90 days)	165 mg/kg bodyweight Animal: mouse, Animal sex: female

Sodium benzoate (532-32-1)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (dermal, rat/rabbit, 90 days)	> 2500 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPP 82-2 (Repeated Dose Dermal Toxicity -21/28 Days)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	≤ 0.025 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)

LOAEC (inhalation, rat, gas, 90 days)	12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:
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Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
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Vaporizer	Aerosol
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)
Not rapidly degradable	

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ethanol; ethyl alcohol (64-17-5)	
LC50 - Fish [1]	14.2 g/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	> 10000 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	≈ 22000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
sodium nitrite (7632-00-0)	
LC50 - Fish [1]	0.54 – 26.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	15.4 mg/l Test organisms (species): Daphnia magna
Sodium benzoate (532-32-1)	
LC50 - Fish [1]	484 mg/l Test organisms (species): Pimephales promelas
EC50 72h - Algae [1]	> 30.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC chronic fish	10 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '144 h'

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Completely empty the packaging prior to decontamination. Recycle the material as far as possible. Comply with local regulations for disposal.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950

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ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP200
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203

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CAO max net quantity (IATA) : 150kg
Special provisions (IATA) : A145, A167, A802
ERG code (IATA) : 10L

Inland waterway transport

Classification code (ADN) : 5F
Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : 5F
Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P207, LP200
Special packing provisions (RID) : PP87, RR6, L2
Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W14
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes version of	Modified	
	Revision date	Modified	
1.1	Name	Modified	
1.1	UFI	Modified	
16	The classification complies with	Modified	ATP 18

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration

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Abbreviations and acronyms:	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IOELV	Indicative Occupational Exposure Limit Value
Pow (log)	n-octanol/water partition coefficient
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
WGK	Water Hazard Class

Data sources

: Classification according to Regulation (EC) No. 1272/2008 [CLP]. ECHA (European Chemicals Agency). Supplier's safety documents.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H272	May intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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Full text of H- and EUH-statements:	
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
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.
Ox. Sol. 3	Oxidising Solids, Category 3
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

The classification complies with : ATP 18

Safety Data Sheet (SDS), EU

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