

SAFETY DATA SHEET

Lyreco Office Wet Wipes

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name Lyreco Office Wet Wipes
Product number 3.338.917, ZP
Internal identification AOWW070LYR_EU

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

Identified uses Cleaning wipes.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier LYRECO
Rue du 19 mars 1962, F-59770,
Marly,
France
msds@lyreco.com
+33 (0) 3 27 23 64 00

1.4. Emergency telephone number

Emergency telephone +44 1865 407333

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
Precautionary statements P102 Keep out of reach of children.
Detergent labelling < 5% perfumes, Contains BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, METHYLCHLOROISOTHIAZOLINONE AND METHYLISOTHIAZOLINONE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments None of the ingredients are required to be listed.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
Ingestion	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
Skin contact	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	Use protective equipment appropriate for surrounding materials.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	No specific symptoms known. May cause discomfort.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions No specific recommendations. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions No specific recommendations.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2-Butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³

Sk

1-Methoxy-2-propanol

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m³

Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m³

Sk

Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

2,6-Di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

8.2. Exposure controls

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Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific hand protection recommended.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid-impregnated wipe.
Odour	Characteristic.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity

Contains a substance/a group of substances which may cause cancer. IARC Group 1
Carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

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Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation No specific symptoms known. Spray/mists may cause respiratory tract irritation.

Ingestion No specific symptoms known. May cause discomfort if swallowed.

Skin contact No specific symptoms known. May cause discomfort.

Eye contact No specific symptoms known. May be slightly irritating to eyes.

Route of entry Ingestion Inhalation Skin and/or eye contact

Target organs No specific target organs known.

Toxicological information on ingredients.

2-Butoxyethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,746.0

Species Rat

Notes (oral LD₅₀) REACH dossier information. Harmful if swallowed.

ATE oral (mg/kg) 1,746.0

Acute toxicity - dermal

Notes (dermal LD₅₀) cATpE: Converted Acute Toxicity Point Estimate. Harmful in contact with skin.

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) cATpE: Converted Acute Toxicity Point Estimate. Harmful if inhaled.

ATE inhalation (vapours mg/l) 11.0

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: No oedema (0). REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 mL, 24 hours, Rabbit Causes serious eye irritation.

Skin sensitisation

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Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	NOAEC 125 ppm, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Two-generation study - NOAEL 720 mg/kg/day, Oral, Mouse P REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Maternal toxicity: - NOAEL: 50 ppm, Inhalation, Rabbit REACH dossier information. Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEL <69 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Sodium N-lauroylsarcosinate

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ dust/mist mg/l)	0.051
Species	Rat
Notes (inhalation LC₅₀)	Supplier's information. Fatal if inhaled.
ATE inhalation (dusts/mists mg/l)	0.051
<u>Skin corrosion/irritation</u>	
Animal data	Irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye damage.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	

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Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - development Developmental toxicity: - NOAEL: >250 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 30 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not relevant. Solid.

Fatty alcohol ethoxylate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 384.0

Species Guinea pig

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 384.0

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

d-Limonene

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >2000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 4 hours, Rabbit REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 mL, 7 days, Rabbit REACH dossier information. Not irritating.

Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo DNA damage and/or repair: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 1650 mg/kg/day, Oral, Mouse REACH dossier information. Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard 1.003 cSt @ 25°C/77°F REACH dossier information. Aspiration hazard if swallowed.

Pin-2(3)-ene

Skin corrosion/irritation

Human skin model test Cell Viability 39.6% 15 minutes REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 mL, 8 days, Rabbit Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Aspiration hazard if swallowed.

Linalool

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >2000 mg/kg, Oral, Mouse REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 5610 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ >3.2 mg/l, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 mL, 24 hours, Rabbit Causes serious eye irritation.

Skin sensitisation

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Skin sensitisation	Sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Screening - NOAEL 365 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 1000 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

p-Menth-1-en-8-ol

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ 4300 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Slight oedema - edges of area well defined by definite raising (2). REACH dossier information. Irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 mL, 24 hours, Rabbit Causes serious eye irritation.
<u>Skin sensitisation</u>	
Skin sensitisation	Local Lymph Node Assay (LLNA) - Rat: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Screening - NOAEL >750 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity:, Maternal toxicity: - NOAEL: >250 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Linalyl acetate

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >9000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

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Acute toxicity - dermal

Notes (dermal LD₅₀)

LD₅₀ >5000 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Slight oedema - edges of area well defined by definite raising (2). REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation

Dose: 0.05 mL, 8 days, Rabbit Causes serious eye irritation.

Germ cell mutagenicity

Genotoxicity - in vitro

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility

Screening - NOAEL 500 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development

Developmental toxicity: - LD₅₀: 1000 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Citral

Acute toxicity - oral

Notes (oral LD₅₀)

LD₅₀ 6800 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀)

LD₅₀ >2000 mg/kg, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Dose: 0.5 mL, 15 minutes, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Slight oedema - edges of area well defined by definite raising (2). REACH dossier information. Highly irritating.

Serious eye damage/irritation

Serious eye damage/irritation

Dose: 0.1 mL, 8 days, Rabbit Causes serious eye irritation.

Skin sensitisation

Skin sensitisation

Guinea pig maximization test (GPMT) - Guinea pig: Sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro

Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

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Carcinogenicity

Carcinogenicity NOAEL 100 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Screening - NOAEL 1000 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development Developmental toxicity: - NOAEL: 200 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 64.0

Species Rat

ATE oral (mg/kg) 64.0

Acute toxicity - dermal

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 0.33

Species Rat

ATE inhalation (dusts/mists mg/l) 0.33

Skin corrosion/irritation

Skin corrosion/irritation Corrosive to skin., Causes burns.

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Skin sensitisation

Skin sensitisation Epidemiological studies have shown evidence of skin sensitisation.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Genotoxicity - in vivo This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

2,6-Di-tert-butyl-p-cresol

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Toxicological effects	Not regarded as a health hazard under current legislation.
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >2930 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 mL, 24 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: No oedema (0). REACH dossier information. Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 100 mg, 72 hours, Rabbit REACH dossier information. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	NOAEL 25 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Two-generation study - NOAEL 500 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 100 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEL 25 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Octanal

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ 4617 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ 5207 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	LC ₅₀ >830 mg/m ³ , Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

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Skin corrosion/irritation

Animal data Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 mL, 14 days, Rabbit Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Freund's complete adjuvant test - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo DNA damage and/or repair: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility One-generation study - NOAEL 300 mg/kg, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development Developmental toxicity: - NOAEL: 1500 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Geraniol

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 3600 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >5000 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). Primary dermal irritation index: 3.3 REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

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Carcinogenicity

Carcinogenicity NOAEL 2000 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Screening - NOAEL 300 mg/kg/day, Dermal, Rat P REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development Developmental toxicity: - NOAEL: 300 mg/kg/day, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.

p-Mentha-1,3-diene

Toxicological effects No data recorded.

Acute toxicity - oral

Notes (oral LD₅₀) cATpE: Converted Acute Toxicity Point Estimate. Harmful if swallowed.

ATE oral (mg/kg) 500.0

Aspiration hazard

Aspiration hazard Aspiration hazard if swallowed.

Caryophyllene

Toxicological effects No data recorded.

Aspiration hazard

Aspiration hazard Aspiration hazard if swallowed.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Based on available data the classification criteria are not met.

Ecological information on ingredients.

2-Butoxyethanol

Toxicity Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute toxicity - fish LC₅₀, 96 hours: 1474 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1550 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 911 mg/l, Pseudokirchneriella subcapitata

Chronic toxicity - fish early life stage NOEL, 21 days: >100 mg/l, Brachydanio rerio (Zebra Fish)

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 100 mg/l, Daphnia magna

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Sodium N-lauroylsarcosinate

Toxicity	Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.
Acute toxicity - fish	LC ₅₀ , 96 hours: 107 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 29.7 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 39 mg/l, Desmodemus subspicatus

Fatty alcohol ethoxylate

Toxicity	Based on available data the classification criteria are not met.
Acute toxicity - fish	LC ₅₀ , 96 hours: 7.5 mg/l, Lepomis macrochirus (Bluegill)

d-Limonene

Toxicity	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
<u>Acute aquatic toxicity</u>	
LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.72 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.36 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 150 mg/l, Desmodemus subspicatus
Acute toxicity - microorganisms	EC ₅₀ , 3 hours: 209 mg/l, Activated sludge
<u>Chronic aquatic toxicity</u>	
M factor (Chronic)	1

Pin-2(3)-ene

Toxicity	Aquatic toxicity is unlikely to occur.
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Linalool

Toxicity	Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.
Acute toxicity - fish	LC ₅₀ , 96 hours: 27.8 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 59 mg/l, Daphnia magna

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Acute toxicity - aquatic plants EC₅₀, 96 hours: 88.3 mg/l, Scenedesmus subspicatus

p-Menth-1-en-8-ol

Toxicity Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute toxicity - fish LC₅₀, 96 hours: 70 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 73 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 17 mg/l, Pseudokirchneriella subcapitata

Linalyl acetate

Toxicity Based on available data the classification criteria are not met.

Acute toxicity - fish LC₅₀, 96 hours: 11 mg/l, Cyprinus carpio (Common carp)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 15 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 62 mg/l, Scenedesmus subspicatus

Citral

Toxicity Based on available data the classification criteria are not met.

Acute toxicity - fish LC₅₀, 96 hours: 6.78 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 6.8 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 103.8 mg/l, Scenedesmus subspicatus

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Acute toxicity - fish LC₅₀, 96 hours: 0.19 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.16 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 0.027 mg/l, Selenastrum capricornutum

Chronic aquatic toxicity

M factor (Chronic) 1

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2,6-Di-tert-butyl-p-cresol

Toxicity Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.48 mg/l, Daphnia magna

Chronic aquatic toxicity

M factor (Chronic) 1

Octanal

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

Acute toxicity - fish LC₅₀, 14 days: 7.9 mg/l, Poecilia reticulata (Guppy)

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 3.48 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 1.79 mg/l, Pseudokirchneriella subcapitata

Geraniol

Toxicity Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute toxicity - fish LC₅₀, 96 hours: 22 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 10.8 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 13.1 mg/l, Desmodium subspicatus

p-Mentha-1,3-diene

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

Acute toxicity - fish LC₅₀, 96 hours: 7.7 mg/l, Pimephales promelas (Fat-head Minnow), Estimated value.

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 25.5 mg/l, Daphnia magna, Estimated value.

Caryophyllene

Toxicity Based on available data the classification criteria are not met.

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

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Ecological information on ingredients.

2-Butoxyethanol

Persistence and degradability	The substance is readily biodegradable.
Biodegradation	Water - Degradation 90.4%: 28 days

1-(2-Butoxy-1-methylethoxy)propan-2-ol

Persistence and degradability	The product is readily biodegradable.
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Sodium N-lauroylsarcosinate

Persistence and degradability	The substance is readily biodegradable.
Biodegradation	Water - Degradation 82%: 28 days

Fatty alcohol ethoxylate

Persistence and degradability	The substance is readily biodegradable.
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d-Limonene

Persistence and degradability	The substance is readily biodegradable.
Phototransformation	Water - Half-life : 0.365 hours Estimated value.
Biodegradation	Water - Degradation 80%: 28 days

Pin-2(3)-ene

Persistence and degradability	The product is biodegradable.
Phototransformation	Water - DT ₅₀ : 0.44-1.41 hours

Linalool

Persistence and degradability	The substance is readily biodegradable.
Biodegradation	Water - Degradation 64.2%: 28 days

p-Menth-1-en-8-ol

Persistence and degradability	The substance is readily biodegradable.
Biodegradation	Water - Degradation 80%: 28 days

Linalyl acetate

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Persistence and degradability	The substance is readily biodegradable.
Phototransformation	Water - DT ₅₀ : 3.31 hours
Stability (hydrolysis)	pH4 - Recovery 2%: 2.4 hours @ 25°C pH7 - Recovery 3%: 2.4 hours @ 25°C pH9 - Recovery 4%: 2.4 hours @ 25°C
Biodegradation	Water - Degradation 70-80%: 28 days

Citral

Persistence and degradability	The substance is readily biodegradable.
Phototransformation	Water - DT ₅₀ : 37.35 minutes
Biodegradation	Water - Degradation 85-95%: 28 days

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Biodegradation	Water - DT ₅₀ : 0.2 - 1.3 days
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2,6-Di-tert-butyl-p-cresol

Persistence and degradability	Not readily biodegradable.
Phototransformation	Water - DT ₅₀ : 7 hours Estimated value.
Biodegradation	Water - Degradation 4.5%: 28 days

Octanal

Persistence and degradability	Moderately biodegradable.
Biodegradation	Water - Degradation 46%: 28 days

Geraniol

Persistence and degradability	The substance is readily biodegradable.
Biodegradation	Water - Degradation 90-100%: 3 days

p-Mentha-1,3-diene

Persistence and degradability	The product is expected to be biodegradable.
Biodegradation	- Half-life : 15 days Estimated value.

Caryophyllene

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Persistence and degradability Not expected to be readily biodegradable.

Biodegradation - Half-life : 37.5 days
Estimated value.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

2-Butoxyethanol

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Kow: 0.81

Sodium N-lauroylsarcosinate

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Pow: 0.37

Fatty alcohol ethoxylate

Bioaccumulative potential Bioaccumulation is unlikely.

d-Limonene

Bioaccumulative potential BCF: 1022, Estimated value.

Partition coefficient log Pow: 4.38

Pin-2(3)-ene

Bioaccumulative potential BCF: 1845, Estimated value. Bioaccumulation is unlikely.

Partition coefficient log Pow: 4.487

Linalool

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Pow: 2.84

p-Menth-1-en-8-ol

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Pow: 2.6

Linalyl acetate

Bioaccumulative potential BCF: 173.9, Estimated value. Bioaccumulation is unlikely.

Partition coefficient log Pow: 3.9

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Citral

Bioaccumulative potential BCF: 89.72, Estimated value. The product is not bioaccumulating.
Partition coefficient log Pow: 2.76

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Bioaccumulative potential Bioaccumulation is unlikely.
Partition coefficient log Pow: 0.401

2,6-Di-tert-butyl-p-cresol

Bioaccumulative potential BCF: 330, Cyprinus carpio (Common carp)
Partition coefficient log Pow: 5.1

Octanal

Bioaccumulative potential BCF: 95, Estimated value. Bioaccumulation is unlikely.
Partition coefficient log Pow: 3.5

Geraniol

Bioaccumulative potential Bioaccumulation is unlikely.
Partition coefficient log Pow: 2.6

p-Mentha-1,3-diene

Bioaccumulative potential log BCF: 4, Estimated value. Bioaccumulation is unlikely.
Partition coefficient log Kow: 4.25

Caryophyllene

Bioaccumulative potential log BCF: 4.8, Estimated value. Potentially bioaccumulating.
Partition coefficient log Kow: 6.3 Estimated value.

12.4. Mobility in soil

Mobility No data available.

Ecological information on ingredients.

2-Butoxyethanol

Mobility The product is miscible with water and may spread in water systems.
Surface tension 29.53 mN/m @ 20°C

Sodium N-lauroylsarcosinate

Mobility The product is partly soluble in water and may spread in the aquatic environment.
Surface tension 40.5 mN/m @ 20°C

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Fatty alcohol ethoxylate

Mobility The product is soluble in water.

d-Limonene

Mobility The product is partly soluble in water and may spread in the aquatic environment.

Adsorption/desorption coefficient Water - Koc: 1984 @ 25°C

Pin-2(3)-ene

Mobility The product is insoluble in water.

Adsorption/desorption coefficient Water - Koc: 2184 @ 25°C Estimated value.

Linalool

Mobility The product is soluble in water.

p-Menth-1-en-8-ol

Mobility The product is soluble in water.

Linalyl acetate

Mobility The product is partly soluble in water and may spread in the aquatic environment.

Adsorption/desorption coefficient Water - Log Koc: 2.71 @ 25°C Estimated value.

Henry's law constant 176.31 Pa m³/mol @ 25°C Estimated value.

Citral

Mobility The product is partly soluble in water and may spread in the aquatic environment.

Adsorption/desorption coefficient Water - Log Koc: 2.169 @ 25°C Estimated value.

Henry's law constant 0.000376 atm m³/mol @ 25°C

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Mobility No data available.

2,6-Di-tert-butyl-p-cresol

Mobility The product is partly soluble in water and may spread in the aquatic environment.

Henry's law constant 0.342 Pa m³/mol @ 25°C

Octanal

Mobility The product is partly soluble in water and may spread in the aquatic environment.

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Adsorption/desorption coefficient Estimated value. Water - Log Koc: 2.63 @ 25°C

Surface tension 27.9 mN/m @ 20°C

Geraniol

Mobility The product is soluble in water.

Adsorption/desorption coefficient Water - Log Koc: 1.85 @ 25°C Estimated value.

p-Mentha-1,3-diene

Mobility No data available.

Caryophyllene

Mobility The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

2-Butoxyethanol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Sodium N-lauroylsarcosinate

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Fatty alcohol ethoxylate

Results of PBT and vPvB assessment No data available.

d-Limonene

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria. Estimated value.

Pin-2(3)-ene

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Linalool

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

p-Menth-1-en-8-ol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

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Linalyl acetate

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Citral

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

2,6-Di-tert-butyl-p-cresol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Octanal

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Geraniol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

p-Mentha-1,3-diene

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Caryophyllene

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

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General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Commission Regulation (EU) No 453/2010 of 20 May 2010.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Training advice

Read and follow manufacturer's recommendations.

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Issued by	Bethan Massey
Revision date	24/11/2016
Revision	0
SDS number	627
Hazard statements in full	<p>H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.