

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

1.1. Product identifier

| | |
|-----------------|-------------------------|
| Product form | : Mixture |
| Product name | : STORM WATCH #EU29393F |
| UFI | : XFDM-H2VC-2003-9SK5 |
| Product code | : EU29393F |
| Type of product | : Perfumes, fragrances |
| Product group | : Trade product |

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

1.2.1. Relevant identified uses

| | |
|----------------------------------|-------------------------------------------|
| Main use category | : Industrial use, Professional use |
| Industrial/Professional use spec | : For professional use only Industrial |
| Use of the substance/mixture | : Perfumes, fragrances |
| Function or use category | : Odour agents |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

FRENCH COLOR & FRAGRANCE International GmbH
Mittlerer Weg 35
DE- 79424 Auggen
Germany
T 49-7631-931-8900
SDS@frenchcolor.com - www.frenchcolor.com

1.4. Emergency telephone number

Emergency number : 1-800-255-3924; +01-813-248-0585; China: +400-120-0751; Mexico: +01-800-099-0731;
Brazil: +0-800-591-6042; India: +000-800-100-4086

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|-------------------------------------------------------------------|------|
| Acute toxicity (oral), Category 4 | H302 |
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |
| Full text of H- and EUH-statements: see section 16 | |

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Toxic to aquatic life with long lasting effects. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

GHS09

Signal word (CLP)

: Warning

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard statements (CLP) | : H302 - Harmful if swallowed. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water. |
| EUH-statements | : EUH208 - Contains Vertenex, Linalyl acetate, Cedryl acetate, Hexyl cinnamic aldehyde, d-Limonene, Orange oil, Clary sage oil, Lime Oxide, Lime oil distilled, Triplal (Vertocitral), Linalool, Lemon oil, Hydroxy, Citronellol Pure, Citral, Helional, Cistus oil (Labdanum oil). May produce an allergic reaction. |
| Extra phrases | : For professional users only. |

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 | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------------------------|----------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------|
| Benzyl benzoate | CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9 REACH-no: 01-2119976371-33 | 45.5 – 91 | Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Dimyrcetol | CAS-No.: 25279-09-8 EC-No.: 246-788-1 | 1.1 – 2.2 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| 7-Methyl-2H-benzo-1,5-dioxepin-3(4H)-one | CAS-No.: 28940-11-6 EC-No.: 249-320-4 | 0.7 – 1.3 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT SE 3, H336 |
| Vertenex | CAS-No.: 32210-23-4 EC-No.: 250-954-9 REACH-no: 01-2119976286-24 | 0.4 – 0.7 | Skin Sens. 1B, H317 |
| Linalyl acetate | CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789-19 | 0.3 – 0.5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| Cedryl acetate | CAS-No.: 77-54-3 EC-No.: 201-036-1 | 0.3 – 0.5 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1B, H317 |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------|
| ACETYL HEXAMETHYL TETRALIN | CAS-No.: 21145-77-7 EC-No.: 244-240-6 | 0.3 – 0.5 | Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Hexyl cinnamic aldehyde | CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092-50 | 0.2 – 0.3 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| d-Limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH) | CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-029-00-7;601-096-00-2 REACH-no: 01-2119493353-35 | 0.1 – 0.2 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 |
| Orange oil | CAS-No.: 8008-57-9 EC-No.: 232-433-8 REACH-no: 01-2119493353-35 | 0.1 – 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Clary sage oil | CAS-No.: 8016-63-5 EC-No.: 283-911-8;616-984-5 | 0.1 – 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Lime Oxide | CAS-No.: 73018-51-6 EC-No.: 277-225-8 | 0.1 – 0.1 | Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Lime oil distilled | CAS-No.: 8008-26-2 EC-No.: 290-010-3 REACH-no: 01-2120138646-51 | 0.1 – 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 1A, H360FD Asp. Tox. 1, H304 Aquatic Chronic 1, H410 |
| Allyl amyl glycolate | CAS-No.: 67634-00-8 EC-No.: 266-803-5 | 0.1 – 0.1 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Acute Tox. 2 (Inhalation), H330 |
| Triplal (Vertocitral) | CAS-No.: 68039-49-6 EC-No.: 268-264-1 | 0.1 – 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| Linalool | CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42 | 0.1 – 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Lemon oil | CAS-No.: 8008-56-8 EC-No.: 284-515-8 | 0.1 – 0.1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411 |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------|
| Hydroxy | CAS-No.: 107-75-5 EC-No.: 203-518-7 REACH-no: 01-2119973482-31 | 0.1 – 0.1 | Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Citronellol Pure | CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995-23 | 0.1 – 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 |
| Citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT) | CAS-No.: 5392-40-5 EC-No.: 226-394-6 EC Index-No.: 605-019-00-3 REACH-no: 01-2119462829-23 | 0.1 – 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| Helional | CAS-No.: 1205-17-0 EC-No.: 214-881-6 REACH-no: 01-2120740119-58 | 0.1 – 0.1 | Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411 |
| Cistus oil (Labdanum oil) | CAS-No.: 8016-26-0 EC-No.: 639-656-3 | 0.1 – 0.1 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |

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 | : Call a poison center or a doctor if you feel unwell. |
| 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. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth. Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|-------------------|
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |

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. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to 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. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.
Storage temperature : 25 °C
Storage area : Store in a well-ventilated place. Store away from heat.
Special rules on packaging : Store in a closed container.
Packaging materials : Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

d-Limonene (5989-27-5)

Finland - Occupational Exposure Limits

| | |
|-------------------|-----------------------|
| HTP (OEL TWA) [1] | 140 mg/m ³ |
| HTP (OEL TWA) [2] | 25 ppm |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| d-Limonene (5989-27-5) | |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| HTP (OEL STEL) | 280 mg/m ³ |
| HTP (OEL STEL) [ppm] | 50 ppm |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) [1] | 28 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| AGW (OEL TWA) [2] | 5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Chemical category | Skin notation, Skin sensitization |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA | 28 mg/m ³ |
| OEL TWA [ppm] | 5 ppm |
| OEL STEL | 112 mg/m ³ |
| OEL STEL [ppm] | 20 ppm |
| OEL chemical category | Potential for cutaneous absorption |
| Spain - Occupational Exposure Limits | |
| VLA-ED (OEL TWA) [1] | 168 mg/m ³ |
| VLA-ED (OEL TWA) [2] | 30 ppm |
| OEL chemical category | Sensitizer, skin - potential for cutaneous absorption |
| Norway - Occupational Exposure Limits | |
| Grønseverdi (OEL TWA) [1] | 140 mg/m ³ |
| Grønseverdi (OEL TWA) [2] | 25 ppm |
| Korttidsverdi (OEL STEL) | 175 mg/m ³ (value calculated) |
| Korttidsverdi (OEL STEL) [ppm] | 37.5 ppm (value calculated) |
| OEL chemical category | Allergenic substance |
| Switzerland - Occupational Exposure Limits | |
| MAK (OEL TWA) [1] | 40 mg/m ³ |
| MAK (OEL TWA) [2] | 7 ppm |
| KZGW (OEL STEL) | 80 mg/m ³ |
| KZGW (OEL STEL) [ppm] | 14 ppm |
| OEL chemical category | Sensitizer |
| Citral (5392-40-5) | |
| Belgium - Occupational Exposure Limits | |
| OEL TWA | 32 mg/m ³ (vapor and aerosol) |
| OEL TWA [ppm] | 5 ppm (vapor and aerosol) |
| OEL chemical category | Skin |
| Ireland - Occupational Exposure Limits | |
| OEL TWA [2] | 5 ppm |
| OEL STEL [ppm] | 15 ppm (calculated) |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Citral (5392-40-5) | |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 27 mg/m ³ |
| NDSch (OEL STEL) | 54 mg/m ³ |
| Portugal - Occupational Exposure Limits | |
| OEL TWA [ppm] | 5 ppm |
| OEL chemical category | Sensitizer, A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure |
| Spain - Occupational Exposure Limits | |
| VLA-ED (OEL TWA) [2] | 5 ppm (inhalable fraction and vapor) |
| OEL chemical category | Sensitizer, skin - potential for cutaneous absorption |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA [ppm] | 5 ppm (inhalable fraction and vapor) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer |

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

No additional information available

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 symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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 | : Liquid |
| Colour | : light yellow. amber. Conforms to standard. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not applicable |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 93.33 °C (closed cup) ASTM D7094 |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : Not available |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : ≈ 1.11 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7).

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

STORM WATCH #EU29393F

| | |
|----------------|--------------------------|
| ATE CLP (oral) | 541.712 mg/kg bodyweight |
|----------------|--------------------------|

Benzyl benzoate (120-51-4)

| | |
|--------------------|-----------------------|
| LD50 oral rat | 500 mg/kg |
| LD50 oral | 1160 mg/kg bodyweight |
| LD50 dermal rabbit | 4000 mg/kg |

Dimyrcetol (25279-09-8)

| | |
|-----------|-----------------------|
| LD50 oral | 2500 mg/kg bodyweight |
|-----------|-----------------------|

Vertenex (32210-23-4)

| | |
|--------------------|-----------------------|
| LD50 oral rat | 5 g/kg |
| LD50 oral | 3370 mg/kg bodyweight |
| LD50 dermal rabbit | > 5000 mg/kg |

Linalyl acetate (115-95-7)

| | |
|--------------------|--------------|
| LD50 oral rat | 14550 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

Cedryl acetate (77-54-3)

| | |
|---------------|-------------|
| LD50 oral rat | 44750 mg/kg |
|---------------|-------------|

ACETYL HEXAMETHYL TETRALIN (21145-77-7)

| | |
|--------------------|-----------------------|
| LD50 oral rat | 570 mg/kg |
| LD50 oral | 1000 mg/kg bodyweight |
| LD50 dermal rabbit | > 5 g/kg |

Hexyl cinnamic aldehyde (101-86-0)

| | |
|-----------------------|-----------------------|
| LD50 oral rat | 3100 mg/kg |
| LD50 oral | 3100 mg/kg bodyweight |
| LD50 dermal rabbit | > 3000 mg/kg |
| LC50 Inhalation - Rat | > 5 mg/l/4h |

d-Limonene (5989-27-5)

| | |
|--------------------|------------|
| LD50 oral rat | 4400 mg/kg |
| LD50 dermal rabbit | > 5 g/kg |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Orange oil (8008-57-9) | |
|----------------------------------------------|-----------------------|
| LD50 oral rat | 4400 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| Clary sage oil (8016-63-5) | |
| LD50 oral rat | 5600 mg/kg |
| Lime oil distilled (8008-26-2) | |
| LD50 oral rat | 5600 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| Allyl amyl glycolate (67634-00-8) | |
| LD50 oral | 500 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 Inhalation - Rat | 0.43 mg/l/4h |
| LC50 Inhalation - Rat (Dust/Mist) | 0.5 mg/l/4h |
| Triplal (Vertocitral) (68039-49-6) | |
| LD50 oral | 3900 mg/kg bodyweight |
| Linalool (78-70-6) | |
| LD50 oral | 2790 mg/kg bodyweight |
| Lemon oil (8008-56-8) | |
| LD50 oral rat | 2840 mg/kg |
| Hydroxy (107-75-5) | |
| LD50 oral rat | > 5 g/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| Citronellol Pure (106-22-9) | |
| LD50 oral rat | 3450 mg/kg |
| LD50 oral | 3450 mg/kg bodyweight |
| LD50 dermal rabbit | 2650 mg/kg |
| LD50 dermal | 2650 mg/kg bodyweight |
| Citral (5392-40-5) | |
| LD50 oral rat | 4960 mg/kg |
| LD50 dermal rabbit | 2250 mg/kg |
| Helional (1205-17-0) | |
| LD50 dermal rabbit | > 2000 mg/kg |
| Cistus oil (Labdanum oil) (8016-26-0) | |
| LD50 oral rat | 8980 mg/kg |
| LD50 dermal rat | > 89.8 mg/kg |

| | |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Carcinogenicity : Not classified

d-Limonene (5989-27-5)

IARC group : 3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

7-Methyl-2H-benzo-1,5-dioxepin-3(4H)-one (28940-11-6)

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Benzyl benzoate (120-51-4)

Viscosity, kinematic : 7.456 mm²/s

Orange oil (8008-57-9)

Hydrocarbon : Yes

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Benzyl benzoate (120-51-4)

LC50 - Fish [1] : 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])

NOEC (chronic) : 0.168 mg/l

Vertenex (32210-23-4)

LC50 - Fish [1] : 8.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])

Linalyl acetate (115-95-7)

LC50 - Fish [1] : 11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through])

d-Limonene (5989-27-5)

LC50 - Fish [1] : 0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

LC50 - Fish [2] : 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

Linalool (78-70-6)

EC50 96h - Algae [1] : 88.3 mg/l (Species: Desmodesmus subspicatus)

Citral (5392-40-5)

EC50 - Crustacea [1] : 7 mg/l (Exposure time: 48 h - Species: Daphnia magna)

EC50 72h - Algae [1] : 16 mg/l (Species: Desmodesmus subspicatus)

EC50 96h - Algae [1] : 19 mg/l (Species: Desmodesmus subspicatus)

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.2. Persistence and degradability

Benzyl benzoate (120-51-4)

| | |
|-------------------------------|---------------------------------------------------------|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---------------------------------------------------------|

12.3. Bioaccumulative potential

Benzyl benzoate (120-51-4)

| | |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 25 °C) |
|-------------------------------------------------|-----------------|

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

Dimyrcetol (25279-09-8)

| | |
|-------------------------------------------------|---------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.55 (at 20 °C (at pH ≥ 6.55 - ≤ 6.7)) |
|-------------------------------------------------|---------------------------------------------------|

7-Methyl-2H-benzo-1,5-dioxepin-3(4H)-one (28940-11-6)

| | |
|-------------------------------------------------|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.95 (at 30 °C (at pH 7.2)) |
|-------------------------------------------------|-----------------------------|

Vertenex (32210-23-4)

| | |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.8 (at 25 °C) |
|-------------------------------------------------|----------------|

Linalyl acetate (115-95-7)

| | |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 (at 25 °C) |
|-------------------------------------------------|----------------|

Cedryl acetate (77-54-3)

| | |
|-------------------------------------------------|--------------|
| Partition coefficient n-octanol/water (Log Pow) | 6 (at 25 °C) |
|-------------------------------------------------|--------------|

ACETYL HEXAMETHYL TETRALIN (21145-77-7)

| | |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 5.7 (at 24 °C) |
|-------------------------------------------------|----------------|

d-Limonene (5989-27-5)

| | |
|-------------------------------------------------|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (at 37 °C (at pH 7.2)) |
|-------------------------------------------------|-----------------------------|

Lime Oxide (73018-51-6)

| | |
|-------------------------------------------------|--------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.3 – 4.9 (at 35 °C (at pH 7)) |
|-------------------------------------------------|--------------------------------|

Allyl amyl glycolate (67634-00-8)

| | |
|-------------------------------------------------|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.96 (at 25 °C (at pH 2.3)) |
|-------------------------------------------------|-----------------------------|

Hydroxy (107-75-5)

| | |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.68 (at 25 °C) |
|-------------------------------------------------|-----------------|

Citronellol Pure (106-22-9)

| | |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.41 (at 25 °C) |
|-------------------------------------------------|-----------------|

Citral (5392-40-5)

| | |
|-------------------------------------------------|-----------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.76 (at 25 °C) |
|-------------------------------------------------|-----------------|

Helional (1205-17-0)

| | |
|-------------------------------------------------|----------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.4 (at 25 °C) |
|-------------------------------------------------|----------------|

12.4. Mobility in soil

No additional information available

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Waste treatment methods

HP Code

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

: HP3 - "Flammable:"

– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;

– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;

– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;

– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information





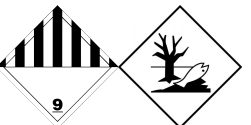
In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| 14.1. UN number or ID number | | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tonalid (Fixolide) crystals) | Environmentally hazardous substance, liquid, n.o.s. (Tonalid (Fixolide) crystals) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Transport document description | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tonalid (Fixolide) crystals), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Tonalid (Fixolide) crystals), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III |
| 14.3. Transport hazard class(es) | | | | |
| 9 | 9 | 9 | 9 | 9 |

STORM WATCH #EU29393F


Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR | IMDG | IATA | ADN | RID |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

| | |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Classification code (ADR) | : M6 |
| Special provisions (ADR) | : 274, 335, 375, 601 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBV |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13 |
| Hazard identification number (Kemler No.) | : 90 |
| Orange plates | :  |

| | |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : - |
| EAC code | : •3Z |

Transport by sea

| | |
|-----------------------------------|-----------------|
| Special provisions (IMDG) | : 274, 335, 969 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : LP01, P001 |
| Special packing provisions (IMDG) | : PP1 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-F |
| Stowage category (IMDG) | : A |

Air transport

| | |
|----------------------------------------------|---------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y964 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 964 |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197, A215
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : M6
Special provisions (RID) : 274, 335, 375, 601
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

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)

EU restriction list (REACH Annex XVII)

| Reference code | Applicable on | Entry title or description |
|----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3(a) | d-Limonene ; Orange oil ; Lime Oxide ; Lime oil distilled ; Lemon oil ; Cistus oil (Labdanum oil) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| EU restriction list (REACH Annex XVII) | | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code | Applicable on | Entry title or description |
| 3(b) | STORM WATCH #EU29393F ; Benzyl benzoate ; Dimyrcetol ; 7-Methyl-2H-benzo-1,5-dioxepin-3(4H)-one ; Vertenex ; Linalyl acetate ; Cedryl acetate ; Hexyl cinnamic aldehyde ; d-Limonene ; Orange oil ; Clary sage oil ; Lime Oxide ; Lime oil distilled ; Allyl amyl glycolate ; Triplal (Vertocitral) ; Linalool ; Lemon oil ; Hydroxy ; Citronellol Pure ; Citral ; Helional ; Cistus oil (Labdanum oil) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | STORM WATCH #EU29393F ; Benzyl benzoate ; Cedryl acetate ; Hexyl cinnamic aldehyde ; d-Limonene ; Orange oil ; Clary sage oil ; Lime Oxide ; Lime oil distilled ; Triplal (Vertocitral) ; Lemon oil ; Helional ; Cistus oil (Labdanum oil) | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |
| 40. | d-Limonene ; Orange oil ; Lime Oxide ; Lime oil distilled ; Lemon oil ; Cistus oil (Labdanum oil) | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

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)

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

15.1.2. National regulations

Germany

- Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
- Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).
- Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

- ABM category : A(1) - highly toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
- SZW-lijst van kankerverwekkende stoffen : Orange oil ,Clary sage oil,Lime Oxide,Allyl amyl glycolate,Triplal (Vertocitral),Lemon oil are listed
- SZW-lijst van mutagene stoffen : Orange oil ,Clary sage oil,Lime Oxide,Allyl amyl glycolate,Triplal (Vertocitral),Lemon oil are listed
- SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

- Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 2 (Inhalation) | Acute toxicity (inhal.), Category 2 |
| 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 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| EUH208 | Contains Vertenex, Linalyl acetate, Cedryl acetate, Hexyl cinnamic aldehyde, d-Limonene, Orange oil, Clary sage oil, Lime Oxide, Lime oil distilled, Triplal (Vertocitral), Linalool, Lemon oil, Hydroxy, Citronellol Pure, Citral, Helional, Cistus oil (Labdanum oil). May produce an allergic reaction. |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |

STORM WATCH #EU29393F

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: | |
|-------------------------------------|------------------------------------------------------------------------|
| H336 | May cause drowsiness or dizziness. |
| H360FD | May damage fertility. May damage the unborn child. |
| 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. |
| Repr. 1A | Reproductive toxicity, Category 1A |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.