

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Flight Fresh Deodorant Disc (Lemon Joy) :  
Product code Formula: SD236/1  
Part No: SD-5500V; SD-5500V/LAT

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

##### Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : Air freshener  
Deodorizer.

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Celeste Industries Corporation  
8007 Industrial Park Road  
Easton, Maryland 21601 USA  
T 1-410-822-5775  
[info@celestecorp.com](mailto:info@celestecorp.com), [www.celestecorp.com](http://www.celestecorp.com)

##### Distributor

Wynn's Belgium BV  
Industriepark-West 46  
B-9100 Sint-Niklaas  
Belgium  
T 410-822-5775

#### 1.4. Emergency telephone number

Emergency number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300; Outside USA and Canada (collect call accepted): 1-703-527-3883

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin Irrit. 2 H315  
Skin Sens. 1 H317  
Aquatic Chronic 2 H411  
Full text of hazard classes, H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Contains :

2,3-Butanedione; Oils, lemon; Terpenes and Terpenoids, lemon-oil; 4-tert-Butylcyclohexyl acetate; Citral; Linalool; Cineole; Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-; Undecanal, 2-methyl-

Hazard statements (CLP) :

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.  
P264 - Wash hands, forearms and face thoroughly after handling.

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|                                                  |                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                  | P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water. |
| Unknown acute toxicity (CLP) - SDS               | : 5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>35% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>47% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))                           |
| Unknown hazards to the aquatic environment (CLP) | : Contains 10.1 % of components with unknown hazards to the aquatic environment                                                                                                                                                                                                                |

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII  
This substance/mixture does not meet the vPvB criteria of 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 substance(s) are 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

### 3.2. Mixtures

| Name                                                                  | Product identifier                                                    | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                                                           |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oils, lemon                                                           | CAS-No.: 8008-56-8<br>EC-No.: 284-515-8;616-925-3                     | 10 – 20 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                  |
| Terpenes and Terpenoids, lemon-oil                                    | CAS-No.: 68917-33-9<br>EC-No.: 284-515-8;614-796-8                    | 1 – 5   | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                                                                                           |
| .alpha.-Terpineol                                                     | CAS-No.: 98-55-5<br>EC-No.: 202-680-6;204-263-4                       | 1 – 5   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                                                                                                                                                                                 |
| 4-tert-Butylcyclohexyl acetate                                        | CAS-No.: 32210-23-4<br>EC-No.: 250-954-9                              | 0.1 – 1 | Skin Sens. 1B, H317                                                                                                                                                                                                       |
| Citral<br>substance with national workplace exposure limit(s)<br>(BE) | CAS-No.: 5392-40-5<br>EC-No.: 226-394-6<br>EC Index-No.: 605-019-00-3 | 0.1 – 1 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317                                                                                                                                                                                 |
| Linalool                                                              | CAS-No.: 78-70-6<br>EC-No.: 201-134-4<br>EC Index-No.: 603-235-00-2   | 0.1 – 1 | Skin Sens. 1B, H317                                                                                                                                                                                                       |
| Allyl caproate                                                        | CAS-No.: 123-68-2<br>EC-No.: 204-642-4                                | 0.1 – 1 | Acute Tox. 3 (Oral), H301 (ATE=280 mg/kg body weight)<br>Acute Tox. 3 (Dermal), H311 (ATE=820 mg/kg body weight)<br>Acute Tox. 3 (Inhalation), H331 (ATE=0.5 mg/l/4h)<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |

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| Name                                                                       | Product identifier                     | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                |
|----------------------------------------------------------------------------|----------------------------------------|---------|------------------------------------------------------------------------------------------------|
| Benzyl acetate<br>substance with national workplace exposure limit(s) (BE) | CAS-No.: 140-11-4<br>EC-No.: 205-399-7 | 0.1 – 1 | Aquatic Chronic 3, H412                                                                        |
| Cineole                                                                    | CAS-No.: 470-82-6<br>EC-No.: 207-431-5 | 0.1 – 1 | Flam. Liq. 3, H226<br>Skin Sens. 1B, H317                                                      |
| Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-                         | CAS-No.: 103-95-7<br>EC-No.: 203-161-7 | 0.1 – 1 | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412                          |
| Undecanal, 2-methyl-                                                       | CAS-No.: 110-41-8<br>EC-No.: 203-765-0 | 0.1 – 1 | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

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 after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.                           |
| First-aid measures after skin contact | : IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.                           |
| First-aid measures after eye contact  | : IF IN EYES: 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    | : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.                                     |

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

|                                     |                                                                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract.                                                                                              |
| Symptoms/effects after skin contact | : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.      |
| Symptoms/effects after eye contact  | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |
| Symptoms/effects after ingestion    | : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.                                          |

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). Foam. |
| Unsuitable extinguishing media | : Do not use water jet.                                                                 |

### 5.2. Special hazards arising from the substance or mixture

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Fire hazard | : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapors. |
|-------------|----------------------------------------------------------------------------------------------------|

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### 5.3. Advice for firefighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

Air Freshener. Deodorizer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| 2,3-Butanedione (431-03-8)                         |                        |
|----------------------------------------------------|------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                        |
| IOEL TWA                                           | 0.07 mg/m <sup>3</sup> |
| IOEL TWA                                           | 0.02 ppm               |
| IOEL STEL                                          | 0.36 mg/m <sup>3</sup> |
| IOEL STEL                                          | 0.1 ppm                |

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|                                        |                              |
|----------------------------------------|------------------------------|
| 2,3-Butanedione (431-03-8)             |                              |
| Belgium - Occupational Exposure Limits |                              |
| OEL TWA                                | 0.04 mg/m³                   |
| OEL TWA                                | 0.01 ppm                     |
| OEL STEL                               | 0.07 mg/m³                   |
| OEL STEL                               | 0.02 ppm                     |
| Citral (5392-40-5)                     |                              |
| Belgium - Occupational Exposure Limits |                              |
| OEL TWA                                | 32 mg/m³ (vapor and aerosol) |
| OEL TWA                                | 5 ppm (vapor and aerosol)    |
| OEL chemical category                  | Skin                         |
| Benzyl acetate (140-11-4)              |                              |
| Belgium - Occupational Exposure Limits |                              |
| OEL TWA                                | 62 mg/m³                     |
| OEL TWA                                | 10 ppm                       |

### Recommended monitoring procedures

|                    |                                                           |
|--------------------|-----------------------------------------------------------|
| Monitoring methods |                                                           |
| Monitoring methods | Consult the relevant monitoring standards for the region. |

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

### Personal protection equipment

#### Eye and face protection

##### Eye protection:

None necessary under normal conditions of use. Wear safety glasses or goggles if handling large quantities.

#### Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)

#### Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

#### Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

##### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

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### SECTION 9: Physical and chemical properties

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

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| Physical state                                  | : Solid, Absorbant disc.          |
| Color                                           | : Opaque.                         |
| Odor                                            | : lemon.                          |
| Odor threshold                                  | : Not available                   |
| Melting point                                   | : Not available                   |
| Freezing point                                  | : Not available                   |
| Boiling point                                   | : Refer to component values below |
| Flammability                                    | : Not flammable                   |
| Explosive properties                            | : Not explosive.                  |
| Oxidizing properties                            | : Not oxidizing.                  |
| Lower explosion limit                           | : Not applicable                  |
| Upper explosion limit                           | : Not applicable                  |
| Flash point                                     | : Refer to component values below |
| Auto-ignition temperature                       | : Not applicable                  |
| Decomposition temperature                       | : Not available                   |
| pH                                              | : Not available                   |
| pH solution                                     | : Not available                   |
| Viscosity, kinematic                            | : Not applicable                  |
| Solubility                                      | : Not available                   |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                   |
| Vapor pressure                                  | : Refer to component values below |
| Vapor pressure at 50°C                          | : Not available                   |
| Density                                         | : Not available                   |
| Relative density                                | : Not available                   |
| Relative vapor density at 20°C                  | : Not applicable                  |
| Particle size                                   | : Not available                   |

#### 2,3-Butanedione (431-03-8)

|                |                         |
|----------------|-------------------------|
| Boiling point  | 88 °C                   |
| Flash point    | 27 °C                   |
| Vapor pressure | 58.2 mm Hg (at 25.1 °C) |

#### .alpha.-Terpineol (98-55-5)

|                |                               |
|----------------|-------------------------------|
| Boiling point  | 218.9 °C Atm. press.: 1 atm   |
| Flash point    | 91 °C Atm. press.: 101,32 kPa |
| Vapor pressure | 6.48 Pa Temp.: 23 °C          |

#### 4-tert-Butylcyclohexyl acetate (32210-23-4)

|                |                               |
|----------------|-------------------------------|
| Boiling point  | 243 °C (at 1019 hPa)          |
| Flash point    | 104 °C Atm. press.: 101325 Pa |
| Vapor pressure | 7.9 Pa (at 25 °C)             |

#### Citral (5392-40-5)

|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| Boiling point             | ≈ 230 °C Atm. press.: 1013 hPa Decomposition: 'yes' Decomp. temp.: 180 °C |
| Flash point               | 91 °C (closed cup)                                                        |
| Auto-ignition temperature | 225 °C                                                                    |
| Vapor pressure            | < 1 hPa (at 50 °C)                                                        |

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| Linalool (78-70-6)        |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| Boiling point             | 196.3 °C Atm. press.: 99,2 kPa Decomposition: 'no' Decomp. temp.: 196,3 °C |
| Flash point               | ≈ 77.2 °C Atm. press.: 101,3 kPa                                           |
| Auto-ignition temperature | 235 °C                                                                     |
| Vapor pressure            | 27 Pa Temp.: 298 K                                                         |

| Allyl caproate (123-68-2) |                        |
|---------------------------|------------------------|
| Boiling point             | 186.8 °C (at 1013 hPa) |
| Flash point               | 66 °C                  |
| Vapor pressure            | 269 Pa Temp.: 25 °C    |

| Benzyl acetate (140-11-4) |                    |
|---------------------------|--------------------|
| Boiling point             | 213.5 °C           |
| Flash point               | 101.85 °C          |
| Auto-ignition temperature | 460 °C             |
| Vapor pressure            | 1.9 hPa (at 25 °C) |

| Cineole (470-82-6) |                                                     |
|--------------------|-----------------------------------------------------|
| Boiling point      | 177 °C Atm. press.: 101,325 kPa Decomposition: 'no' |
| Flash point        | 52 °C                                               |
| Vapor pressure     | 122 Pa Temp.: 20 °C                                 |

| Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7) |                                 |
|---------------------------------------------------------------|---------------------------------|
| Boiling point                                                 | 234 °C Atm. press.: 101,325 kPa |
| Flash point                                                   | 79.5 °C (closed cup)            |
| Vapor pressure                                                | 0.3 Pa Temp.: 20 °C             |

| Undecanal, 2-methyl- (110-41-8) |                          |
|---------------------------------|--------------------------|
| Boiling point                   | (504 K - at 1013.25 hPa) |
| Flash point                     | 68.5 °C (closed cup)     |
| Vapor pressure                  | 2.4 Pa (at 20 °C)        |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Irritating vapors.

## SECTION 11: Toxicological information

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

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

#### 2,3-Butanedione (431-03-8)

|                     |                                 |
|---------------------|---------------------------------|
| LD50 oral rat       | 1580 mg/kg (Source: NLM_CIP)    |
| LD50 dermal rabbit  | > 5000 mg/kg (Source: EU_SCOEL) |
| LC50 inhalation rat | 2250 – 5200 ppm/4h              |

#### Oils, lemon (8008-56-8)

|               |                              |
|---------------|------------------------------|
| LD50 oral rat | 2840 mg/kg (Source: NLM_CIP) |
|---------------|------------------------------|

#### .alpha.-Terpineol (98-55-5)

|                 |                                 |
|-----------------|---------------------------------|
| LD50 oral rat   | 5170 mg/kg (Source: NLM_CIP)    |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |

#### 4-tert-Butylcyclohexyl acetate (32210-23-4)

|                    |                                 |
|--------------------|---------------------------------|
| LD50 oral rat      | 5 g/kg (Source: NLM_CIP)        |
| LD50 dermal rabbit | > 5000 mg/kg (Source: CHEMVIEW) |

#### Citral (5392-40-5)

|                    |                                      |
|--------------------|--------------------------------------|
| LD50 oral rat      | 4960 mg/kg (Source: NLM_CIP)         |
| LD50 dermal rat    | > 2000 mg/kg body weight Animal: rat |
| LD50 dermal rabbit | 2250 mg/kg (Source: NLM_CIP)         |

#### Linalool (78-70-6)

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat      | 2790 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2440 - 3180      |
| LD50 oral          | 3120 mg/kg body weight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2620 - 3620    |
| LD50 dermal rabbit | 5610 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374 |

#### Allyl caproate (123-68-2)

|           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| LD50 oral | 280 mg/kg body weight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 246 - 319 |
|-----------|------------------------------------------------------------------------------------------------------------------|

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|                                                                      |                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Allyl caproate (123-68-2)</b>                                     |                                                                                                                                                                                                                                                                      |
| LD50 dermal rabbit                                                   | 820 mg/kg (Source: ECHA_API)                                                                                                                                                                                                                                         |
| <b>Benzyl acetate (140-11-4)</b>                                     |                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                        | > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)                                                                                                                                                                            |
| LD50 dermal rabbit                                                   | > 5000 mg/kg body weight Animal: rabbit                                                                                                                                                                                                                              |
| <b>Cineole (470-82-6)</b>                                            |                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                        | 2480 mg/kg (Source: NLM_CIP)                                                                                                                                                                                                                                         |
| LD50 dermal rat                                                      | > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))                                                                                                                      |
| <b>Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7)</b> |                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                        | 3810 mg/kg (Source: NLM_CIP)                                                                                                                                                                                                                                         |
| LD50 dermal rat                                                      | > 5000 mg/kg (Source: ECHA_API)                                                                                                                                                                                                                                      |
| <b>Undecanal, 2-methyl- (110-41-8)</b>                               |                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                        | > 5 g/kg (Source: NLM_CIP)                                                                                                                                                                                                                                           |
| LD50 dermal rabbit                                                   | > 10 ml/kg (Source: ECHA_API)                                                                                                                                                                                                                                        |
| Unknown acute toxicity (CLP) - SDS                                   | : 5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>35% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>47% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |
| Skin corrosion/irritation                                            | : Causes skin irritation.                                                                                                                                                                                                                                            |
| Serious eye damage/irritation                                        | : Not classified (Based on available data, the classification criteria are not met.)                                                                                                                                                                                 |
| Respiratory or skin sensitization                                    | : May cause an allergic skin reaction.                                                                                                                                                                                                                               |
| Germ cell mutagenicity                                               | : Not classified (Based on available data, the classification criteria are not met.)                                                                                                                                                                                 |
| Carcinogenicity                                                      | : Not classified (Based on available data, the classification criteria are not met.)                                                                                                                                                                                 |
| <b>Benzyl acetate (140-11-4)</b>                                     |                                                                                                                                                                                                                                                                      |
| IARC group                                                           | 3 - Not classifiable                                                                                                                                                                                                                                                 |
| <b>Citral (5392-40-5)</b>                                            |                                                                                                                                                                                                                                                                      |
| NOAEL (chronic,oral,animal/male,2 years)                             | 60 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)                                                    |
| Reproductive toxicity                                                | : Not classified (Based on available data, the classification criteria are not met.)                                                                                                                                                                                 |
| <b>Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7)</b> |                                                                                                                                                                                                                                                                      |
| NOAEL (animal/male, F0/P)                                            | 25 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]                                                                                                               |
| NOAEL (animal/female, F0/P)                                          | 25 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]                                                                                                             |
| STOT-single exposure                                                 | : Not classified (Based on available data, the classification criteria are not met.)                                                                                                                                                                                 |
| STOT-repeated exposure                                               | : Not classified (Based on available data, the classification criteria are not met.)                                                                                                                                                                                 |
| <b>2,3-Butanedione (431-03-8)</b>                                    |                                                                                                                                                                                                                                                                      |
| STOT-repeated exposure                                               | May cause damage to organs through prolonged or repeated exposure.                                                                                                                                                                                                   |
| <b>.alpha.-Terpineol (98-55-5)</b>                                   |                                                                                                                                                                                                                                                                      |
| NOAEL (oral,rat,90 days)                                             | ≥ 314 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)                                                                                                                                                   |

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| Citral (5392-40-5)                             |                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| LOAEC (inhalation, rat, gas, 90 days)          | 68 ppm Animal: rat, Animal sex: female                                                                                                    |
| NOAEL (oral, rat, 90 days)                     | 100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)                    |
| NOAEC (inhalation, rat, gas, 90 days)          | 34 ppm Animal: rat, Animal sex: female                                                                                                    |
| NOAEL (subchronic, oral, animal/male, 90 days) | 60 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

| Linalool (78-70-6)                  |                                                                                                             |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------|
| NOAEL (dermal, rat/rabbit, 90 days) | 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |

| Cineole (470-82-6)         |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (oral, rat, 90 days) | 600 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other: japanese Ministry of Economy Trade and Industry Guideline for 28 day repeat oral dose toxicity study., Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3150 (90-Day Oral Toxicity in Nonrodents) |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met.)

| Linalool (78-70-6)   |                          |
|----------------------|--------------------------|
| Viscosity, kinematic | 5.192 mm <sup>2</sup> /s |

| Allyl caproate (123-68-2) |                          |
|---------------------------|--------------------------|
| Viscosity, kinematic      | 1.229 mm <sup>2</sup> /s |

| Benzyl acetate (140-11-4) |                          |
|---------------------------|--------------------------|
| Viscosity, kinematic      | 4.265 mm <sup>2</sup> /s |

### 11.2. Information on other hazards

#### Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 substance(s) are 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 %

#### Other information

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.  
Unknown hazards to the aquatic environment (CLP) : Contains 10.1 % of components with unknown hazards to the aquatic environment  
Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met.)  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

| .alpha.-Terpineol (98-55-5) |                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]             | 70 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                                                          |
| EC50 - Crustacea [1]        | 73 mg/l Test organisms (species): Daphnia magna                                                                                           |
| EC50 72h - Algae [1]        | ≈ 68 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

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|                                                    |                                                                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>.alpha.-Terpineol (98-55-5)</b>                 |                                                                                                                                           |
| EC50 72h - Algae [2]                               | ≈ 17 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| <b>4-tert-Butylcyclohexyl acetate (32210-23-4)</b> |                                                                                                                                           |
| LC50 - Fish [1]                                    | 8.6 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static] Source: ECHA)                                                      |
| EC50 - Crustacea [1]                               | 5.3 mg/l Test organisms (species): Daphnia magna                                                                                          |
| EC50 72h - Algae [1]                               | 22 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                        |
| <b>Citral (5392-40-5)</b>                          |                                                                                                                                           |
| LC50 - Fish [1]                                    | 6.78 mg/l Test organisms (species): Leuciscus idus                                                                                        |
| EC50 - Crustacea [1]                               | 6.8 mg/l Test organisms (species): Daphnia magna                                                                                          |
| EC50 72h - Algae [1]                               | 103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                     |
| EC50 96h - Algae [1]                               | 19 mg/l (Species: Desmodesmus subspicatus)                                                                                                |
| <b>Linalool (78-70-6)</b>                          |                                                                                                                                           |
| LC50 - Fish [1]                                    | 27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                                                  |
| EC50 - Crustacea [1]                               | 59 mg/l Test organisms (species): Daphnia magna                                                                                           |
| EC50 96h - Algae [1]                               | 88.3 mg/l (Species: Desmodesmus subspicatus)                                                                                              |
| EC50 96h - Algae [2]                               | 156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                     |
| <b>Allyl caproate (123-68-2)</b>                   |                                                                                                                                           |
| LC50 - Fish [1]                                    | 0.117 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)                                                        |
| EC50 - Crustacea [1]                               | 2 mg/l Test organisms (species): Daphnia magna                                                                                            |
| EC50 72h - Algae [1]                               | > 4.6 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                     |
| EC50 72h - Algae [2]                               | 0.778 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                     |
| <b>Benzyl acetate (140-11-4)</b>                   |                                                                                                                                           |
| LC50 - Fish [1]                                    | 4 mg/l Test organisms (species): Oryzias latipes                                                                                          |
| EC50 - Crustacea [1]                               | 17 mg/l Test organisms (species): Daphnia magna                                                                                           |
| EC50 72h - Algae [1]                               | 110 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                       |
| EC50 72h - Algae [2]                               | 92 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                        |
| NOEC chronic fish                                  | 0.92 mg/l Test organisms (species): Oryzias latipes Duration: '28 d'                                                                      |
| <b>Cineole (470-82-6)</b>                          |                                                                                                                                           |
| LC50 - Fish [1]                                    | 57 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                                                    |
| EC50 - Crustacea [1]                               | > 100 mg/l Test organisms (species): Daphnia magna                                                                                        |
| EC50 72h - Algae [1]                               | > 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

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| Cineole (470-82-6)                                            |                                                                                                                                           |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| EC50 96h - Algae [1]                                          | > 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7) |                                                                                                                                           |
| LC50 - Fish [1]                                               | 1.42 mg/l Test organisms (species):                                                                                                       |
| LC50 - Fish [2]                                               | 2.49 mg/l Test organisms (species):                                                                                                       |
| EC50 - Crustacea [1]                                          | 1.4 mg/l Test organisms (species): Daphnia magna                                                                                          |
| EC50 72h - Algae [1]                                          | 4.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 72h - Algae [2]                                          | 2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 96h - Algae [1]                                          | 3.8 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 96h - Algae [2]                                          | 2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| Undecanal, 2-methyl- (110-41-8)                               |                                                                                                                                           |
| LC50 - Fish [1]                                               | 0.35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)                                                 |

## 12.2. Persistence and degradability

| Flight Fresh Deodorant Disc (Lemon Joy)         |                    |
|-------------------------------------------------|--------------------|
| Persistence and degradability                   | Not established.   |
| 2,3-Butanedione (431-03-8)                      |                    |
| Persistence and degradability                   | Rapidly degradable |
| Oils, lemon (8008-56-8)                         |                    |
| Persistence and degradability                   | Rapidly degradable |
| Terpenes and Terpenoids, lemon-oil (68917-33-9) |                    |
| Persistence and degradability                   | Rapidly degradable |
| .alpha.-Terpineol (98-55-5)                     |                    |
| Persistence and degradability                   | Rapidly degradable |
| 4-tert-Butylcyclohexyl acetate (32210-23-4)     |                    |
| Persistence and degradability                   | Rapidly degradable |
| Citral (5392-40-5)                              |                    |
| Persistence and degradability                   | Rapidly degradable |
| Linalool (78-70-6)                              |                    |
| Persistence and degradability                   | Rapidly degradable |
| Allyl caproate (123-68-2)                       |                    |
| Persistence and degradability                   | Rapidly degradable |
| Benzyl acetate (140-11-4)                       |                    |
| Persistence and degradability                   | Rapidly degradable |

# Flight Fresh Deodorant Disc (Lemon Joy)

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| Cineole (470-82-6)                                            |                    |
|---------------------------------------------------------------|--------------------|
| Persistence and degradability                                 | Rapidly degradable |
| Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7) |                    |
| Persistence and degradability                                 | Rapidly degradable |
| Undecanal, 2-methyl- (110-41-8)                               |                    |
| Persistence and degradability                                 | Rapidly degradable |

### 12.3. Bioaccumulative potential

| Flight Fresh Deodorant Disc (Lemon Joy)                       |                           |
|---------------------------------------------------------------|---------------------------|
| Bioaccumulative potential                                     | Not established.          |
| 4-tert-Butylcyclohexyl acetate (32210-23-4)                   |                           |
| Partition coefficient n-octanol/water                         | 4.8 (at 25 °C)            |
| Citral (5392-40-5)                                            |                           |
| Partition coefficient n-octanol/water                         | 2.76 (at 25 °C)           |
| Linalool (78-70-6)                                            |                           |
| Partition coefficient n-octanol/water                         | 2.9 (at 20 °C (at pH 7)   |
| Allyl caproate (123-68-2)                                     |                           |
| Partition coefficient n-octanol/water                         | 3.191 (at 20 °C (at pH 5) |
| Benzyl acetate (140-11-4)                                     |                           |
| Partition coefficient n-octanol/water                         | 1.96 (at 25 °C (at pH 7)  |
| Cineole (470-82-6)                                            |                           |
| Partition coefficient n-octanol/water                         | 3.4                       |
| Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)- (103-95-7) |                           |
| Partition coefficient n-octanol/water                         | 3.4 (at 35 °C)            |
| Undecanal, 2-methyl- (110-41-8)                               |                           |
| Partition coefficient n-octanol/water                         | 4.9 (at 35 °C)            |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| Flight Fresh Deodorant Disc (Lemon Joy)                                     |  |
|-----------------------------------------------------------------------------|--|
| This substance/mixture does not meet the PBT criteria of REACH, annex XIII  |  |
| This substance/mixture does not meet the vPvB criteria of REACH, annex XIII |  |

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: 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 substance(s) are 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 %.

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### 12.7. Other adverse effects

Additional information : No other effects known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1. UN number or ID number

UN-No. (ADR) : UN 3077  
UN-No. (IMDG) : UN 3077  
UN-No. (IATA) : UN 3077

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Oils, lemon; Terpenes and Terpenoids, lemon-oil)  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Oils, lemon; Terpenes and Terpenoids, lemon-oil)  
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s. (Oils, lemon; Terpenes and Terpenoids, lemon-oil)

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 9  
Hazard labels (ADR) :



#### IMDG

Transport hazard class(es) (IMDG) : 9  
Hazard labels (IMDG) :



#### IATA

Transport hazard class(es) (IATA) : 9  
Hazard labels (IATA) :



### 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : III

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Packing group (IATA) : III

### 14.5. Environmental hazards

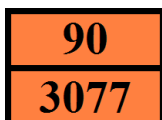
Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available.

### 14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### Overland transport

Orange plates :



#### Transport by sea

No data available

#### Air transport

No data available

### 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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances.

##### REACH Candidate List (SVHC)

Contains no REACH candidate substance.

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

##### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

##### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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 drug precursors)

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### National regulations

#### Belgium

Belgian National Regulations : Not determined.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

None.

### Abbreviations and acronyms:

°C – Degrees Celsius  
°F – Degrees Fahrenheit  
ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ASTM: American Society for Testing and Materials  
ACGIH – American Conference of Governmental Industrial Hygienists  
ATE – Acute Toxicity Estimate  
BCF – Bioconcentration Factor  
BEI – Biological Exposure Index  
CAS – Chemical Abstracts Service  
CLP – Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures.  
CMR – Carcinogen, Mutagen, Reproductive toxin  
cP – centipoise (unit of dynamic viscosity)  
cSt – centistokes (unit of kinematic viscosity)  
DNEL – Derived No-effect Level  
DMEL – Derived Minimal Effect Level  
EC50 – Half maximal effective concentration  
ECHA – European Chemicals Agency  
EC-No. – European Community number  
EU – European Union  
GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
h – Hours  
IATA – International Air Transport Association  
IC50 – Inhibition concentration  
IDLH – Immediately Dangerous to Life or Health  
IMDG – International Maritime Dangerous Goods  
IOELV – Indicative Occupational Exposure Limit Value  
KIFS – Swedish Chemicals Agency's (KemI's) Code of Statutes  
kPa – kilopascal  
Koc – Adsorption Coefficient  
Kow – Octanol-Water Partition Coefficient  
LC50 – Median Lethal Concentration  
LD50 – Median Lethal Dose  
LOAEL – Lowest Observed Adverse Effect level  
mg/l – Milligram per liter  
mg/kg – Milligram per kilogram  
mg/m3 – Milligram per cubic meter  
Min – Minutes  
NIOSH – National Institute for Occupational Safety and Health  
NOEC – No Observed Effect Concentration  
NO(A)EL – No Observed (Adverse) Effect Level  
N.O.S. – Not Otherwise Specified  
OEL – Occupational Exposure Limit  
PBT - Persistent, Bioaccumulative and Toxic  
PCN – Poison Centre Notification  
PNEC – Predicted No Effect Concentration  
ppm – Parts per million

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### Abbreviations and acronyms:

PVC – Polyvinyl chloride  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail  
SDS – Safety Data Sheet  
STEL – Short Term Exposure Limit  
STOT – Specific Target Organ Toxicity  
SVHC – Substance of Very High Concern (CMR, vPvB, PBT)  
TDI – Tolerable Daily Intake  
TLV – Threshold Limit Value  
TWA – Time Weighted Average  
UFI – Unique Formulation Identifier  
UN – United Nations  
vPvB - Very Persistent and Very Bioaccumulative  
WEL – Workplace Exposure Limit  
WGK – Wassergefährdungsklasse – German water quality classification

Data sources

: 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

Prepared by

: Nexreg Compliance Inc.

[www.Nexreg.com](http://www.Nexreg.com)



### Full text of H- and EUH-phrases:

|                           |                                                                  |
|---------------------------|------------------------------------------------------------------|
| Acute Tox. 3 (Dermal)     | Acute toxicity (dermal), Category 3                              |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhalation) Category 3                           |
| Acute Tox. 3 (Oral)       | Acute toxicity (oral) Category 3                                 |
| 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                                     |
| Eye Dam. 1                | Serious eye damage/eye irritation Category 1                     |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2                    |
| Flam. Liq. 3              | Flammable liquids Category 3                                     |
| H226                      | Flammable liquid and vapor.                                      |
| H301                      | Toxic if swallowed.                                              |
| H302                      | Harmful if swallowed.                                            |
| H304                      | May be fatal if swallowed and enters airways.                    |
| H311                      | Toxic in contact with skin.                                      |
| H315                      | Causes skin irritation.                                          |
| H317                      | May cause an allergic skin reaction.                             |
| H318                      | Causes serious eye damage.                                       |
| H319                      | Causes serious eye irritation.                                   |

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| Full text of H- and EUH-phrases: |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| H331                             | Toxic if inhaled.                                                  |
| H373                             | May cause damage to organs through prolonged or repeated exposure. |
| 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.                 |
| Skin Irrit. 2                    | Skin corrosion/irritation Category 2                               |
| Skin Sens. 1                     | Skin sensitization, Category 1                                     |
| Skin Sens. 1A                    | Skin sensitization, Category 1A                                    |
| Skin Sens. 1B                    | Skin sensitization, Category 1B                                    |
| STOT RE 2                        | Specific target organ toxicity – Repeated exposure, Category 2     |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---------------------------------------------------------------------------------------------------------------------------|------|--------------------|
| Skin Irrit. 2                                                                                                             | H315 | Calculation method |
| Skin Sens. 1                                                                                                              | H317 | Calculation method |
| Aquatic Chronic 2                                                                                                         | H411 | Calculation method |

Safety Data Sheet (SDS), EU

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