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

1.1 Product identifier

Trade name : Sample Floristics Silver Spray 400 ml

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company : ECKART GmbH
Guentersthal 4
91235 Hartenstein

Telephone : +499152770
Telefax : +499152777008
E-mail address : msds.eckart@altana.com

Responsible/issuing person

1.4 Emergency telephone number

GBK Gefahrgut Büro GmbH, Ingelheim, Germany:
From outside US: (001) 352-323-3500
(First call in English, response in your language is possible)
US & Canada (toll free) : 1-800-5355-053

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable aerosols , Category 1 H222: Extremely flammable aerosol.
Eye irritation , Category 2 H319: Causes serious eye irritation.
Skin sensitisation , Category 1 H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure , Category 3, Central nervous system H336: May cause drowsiness or dizziness.
Chronic aquatic toxicity , Category 3 H412: Harmful to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Extremely flammable
Sensitising
R12: Extremely flammable.
R43: May cause sensitisation by skin contact.
R67: Vapours may cause drowsiness and dizziness.
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Floristics Silver Spray 400 ml

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Dangerous for the environment
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:

Signal word: Danger

Hazard statements:
H222 Extremely flammable aerosol.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements:
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
Prevention:
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/container to an approved waste disposal plant.

Hazardous components which must be listed on the label:
67-64-1 acetone

Additional Labelling:
,, S16, S 2 ; Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C., Do not pierce or burn, even after use., Do not spray on a naked flame or any
incandescent material., Keep away from sources of ignition - No smoking., Keep out of the reach of children.

**2.3 Other hazards**

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Hazardous components**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Registration number</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>F+; R12</td>
<td>Flam. Gas 1; H220</td>
<td>&gt;= 20 - &lt; 25</td>
</tr>
<tr>
<td></td>
<td>200-827-9</td>
<td></td>
<td>Press. Gas C; H280</td>
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<tr>
<td>butane</td>
<td>106-97-8</td>
<td>F+; R12</td>
<td>Flam. Gas 1; H220</td>
<td>&gt;= 20 - &lt; 25</td>
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<tr>
<td></td>
<td>203-448-7</td>
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<td>Press. Gas C; H280</td>
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</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>F; R11</td>
<td>Flam. Liq. 2; H225</td>
<td>&gt;= 15 - &lt; 20</td>
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<tr>
<td></td>
<td>200-662-2</td>
<td>R36</td>
<td>Eye Irrit. 2; H319</td>
<td></td>
</tr>
<tr>
<td></td>
<td>01-2119471330-49</td>
<td>R66</td>
<td>STOT SE 3; H336</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R67</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light</td>
<td>64742-95-6</td>
<td>Xn; R65</td>
<td>Flam. Liq. 3; H226</td>
<td>&gt;= 2.5 - &lt; 10</td>
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<tr>
<td>arom.</td>
<td>265-199-0</td>
<td>Xi; R37</td>
<td>Asp. Tox. 1; H304</td>
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<tr>
<td></td>
<td>01-2119455851-35</td>
<td>R51/53</td>
<td>STOT SE 3; H335, H336</td>
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<td>R10</td>
<td>Aquatic Chronic 2; H411</td>
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<td></td>
<td></td>
<td>R66</td>
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<tr>
<td></td>
<td></td>
<td>R67</td>
<td></td>
<td></td>
</tr>
<tr>
<td>aluminium</td>
<td>7429-90-5</td>
<td>F; R11</td>
<td>Flam. Sol. 1; H228</td>
<td>&lt; 10</td>
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<tr>
<td></td>
<td>231-072-3</td>
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<td></td>
<td>01-2119529243-45</td>
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<td>xylene</td>
<td>1330-20-7</td>
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<td>Flam. Liq. 3; H226</td>
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<td></td>
<td>215-535-7</td>
<td>Xn; R20/21</td>
<td>Acute Tox. 4; H312</td>
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<td></td>
<td>01-2119488216-32</td>
<td>Xi; R38</td>
<td>Acute Tox. 4; H332</td>
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<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
<td></td>
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<tr>
<td>Naphtha (petroleum), hydrodesulfurized</td>
<td>92045-53-9</td>
<td>Xn; R65</td>
<td>Flam. Liq. 2; H225</td>
<td>&gt;= 2.5 - &lt; 5</td>
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<tr>
<td></td>
<td>295-434-2</td>
<td>F-Xn-N; R11-R67-R38-R65-</td>
<td>Asp. Tox. 1; H304</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
<td></td>
</tr>
</tbody>
</table>
### SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General advice**: Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.

**If inhaled**: Consult a physician after significant exposure.  
If unconscious place in recovery position and seek medical advice.

**In case of skin contact**: If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.

**In case of eye contact**: Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

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**Sample Floristics Silver Spray 400 ml**

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**Print Date 20.11.2018**

<table>
<thead>
<tr>
<th>Substance</th>
<th>R-phrases</th>
<th>H-statements</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>light, dearomatized</td>
<td>R51/53</td>
<td>STOT SE 3; H336</td>
<td>Aquatic Chronic 2; H411</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>R10 R66 R67</td>
<td>Flam. Liq. 3; H226 STOT SE 3; H336</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>Xn; R65 F; R11 N; R51/53 R66 R67</td>
<td>Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411</td>
<td>&gt;= 2.5 - &lt; 10</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>Xn; R65</td>
<td>Asp. Tox. 1; H304</td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
<tr>
<td>Orange, sweet, ext.</td>
<td>Xn; R38-R43-R65</td>
<td>Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Acute, Aquatic Chronic 1; H400, H410 Skin Irrit. 2; H315 Skin Sens. 1; H317</td>
<td>&gt;= 1 - &lt; 2.5</td>
</tr>
</tbody>
</table>

For the full text of the R-phrases mentioned in this Section, see Section 16.  
For the full text of the H-statements mentioned in this Section, see Section 16.
If swallowed: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed
This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed
This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
This information is not available.

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters
Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.
Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions: Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive
concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Do not flush with water.

6.4 Reference to other sections

This information is not available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion: Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened
must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

This information is not available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>STEL</td>
<td>750 ppm, 1,810 mg/m³</td>
<td>2007-08-01</td>
<td>GB EH40</td>
</tr>
</tbody>
</table>

**Further information**

Capable of causing cancer and/or heritable genetic damage. The identified substances include those which: - are assigned the risk phrases ‘R45: May cause cancer’; ‘R46: may cause heritable genetic damage’; ‘R49: May cause cancer by inhalation’ or - a substance or process listed in Schedule 1 of COSHH. Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>TWA</td>
<td>500 ppm, 1,210 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
</tr>
</tbody>
</table>

**Further information**

Indicative
### Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Value type</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>TWA</td>
<td>500 ppm 1,210 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>STEL</td>
<td>1,500 ppm 3,620 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
<tr>
<td>aluminium</td>
<td>7429-90-5</td>
<td>TWA (Inhalable)</td>
<td>10 mg/m³</td>
<td>2011-12-01</td>
<td>GB EH40</td>
</tr>
<tr>
<td>aluminium</td>
<td>7429-90-5</td>
<td>TWA (Respirable)</td>
<td>4 mg/m³</td>
<td>2011-12-01</td>
<td>GB EH40</td>
</tr>
</tbody>
</table>

### Further information

The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory...
system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3. Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>TWA 50 ppm&lt;br&gt;220 mg/m³</td>
<td>2005-04-06 GB EH40</td>
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</table>

Further information

Can be absorbed through skin. The assigned substances are
Sample Floristics Silver Spray 400 ml

those for which there are concerns that dermal absorption will lead to systemic toxicity.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>STEL</td>
<td>100 ppm 441 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>50 ppm 221 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
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</table>

Further information

Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
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</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>STEL</td>
<td>100 ppm 442 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
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</table>

Further information

Identifies the possibility of significant uptake through the skin

Further information

Indicative

Components

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
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<tbody>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>TWA</td>
<td>150 ppm 724 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
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<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>STEL</td>
<td>200 ppm 966 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
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</tbody>
</table>

DNEL:

acetone (67-64-1)

End Use: Workers
Exposure routes: Skin contact
Potential health effects: long term – systemic effects
Value: 186 mg/kg

DNEL:

acetone (67-64-1)

End Use: Workers
Exposure routes: Inhalation
Potential health effects: long term – systemic effects
Value: 1210 mg/m³

DNEL:

acetone (67-64-1)

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: long term – systemic effects
Value: 62 mg/kg
<table>
<thead>
<tr>
<th>Substance</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (67-64-1)</td>
<td>Consumers</td>
<td>Skin contact</td>
<td>Long term – systemic effects</td>
<td>62 mg/kg</td>
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<tr>
<td><strong>DNEL:</strong> Acetone (67-64-1)</td>
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</tr>
<tr>
<td>Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>Long term – systemic effects</td>
<td>200 mg/m3</td>
</tr>
<tr>
<td><strong>DNEL:</strong> Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
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<tr>
<td>Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
<td>Consumers</td>
<td>Skin contact</td>
<td>Long term – systemic effects</td>
<td>11 mg/kg</td>
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<tr>
<td><strong>DNEL:</strong> Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
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<tr>
<td>Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>Long term – systemic effects</td>
<td>32 mg/m3</td>
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<td><strong>DNEL:</strong> Xylene (1330-20-7)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Short term – local effects</td>
<td>289 mg/m3</td>
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<tr>
<td><strong>DNEL:</strong> Xylene (1330-20-7)</td>
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</tr>
<tr>
<td>Xylene (1330-20-7)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Short term – systemic effects</td>
<td>289 mg/m3</td>
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<tr>
<td><strong>DNEL:</strong> Xylene (1330-20-7)</td>
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<tr>
<td>Xylene (1330-20-7)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Long term – systemic effects</td>
<td>77 mg/m3</td>
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</table>
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**Print Date 20.11.2018**

<table>
<thead>
<tr>
<th>Substance</th>
<th>End Use:</th>
<th>Exposure routes:</th>
<th>Potential health effects:</th>
<th>Value:</th>
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<tbody>
<tr>
<td>Xylene (1330-20-7)</td>
<td>Workers</td>
<td>Skin contact</td>
<td>Long term – systemic effects</td>
<td>180 mg/kg</td>
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**DNEL:**

<table>
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<th>Potential health effects:</th>
<th>Value:</th>
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<tbody>
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<td>Xylene (1330-20-7)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>Short term – local effects</td>
<td>174 mg/m³</td>
</tr>
</tbody>
</table>

**DNEL:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>End Use:</th>
<th>Exposure routes:</th>
<th>Potential health effects:</th>
<th>Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (1330-20-7)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>Long term – systemic effects</td>
<td>174 mg/m³</td>
</tr>
</tbody>
</table>

**DNEL:**

<table>
<thead>
<tr>
<th>Substance</th>
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<th>Exposure routes:</th>
<th>Potential health effects:</th>
<th>Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (1330-20-7)</td>
<td>Consumers</td>
<td>Skin contact</td>
<td>Long term – systemic effects</td>
<td>108 mg/kg</td>
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</table>

**DNEL:**

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<th>Substance</th>
<th>End Use:</th>
<th>Exposure routes:</th>
<th>Potential health effects:</th>
<th>Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (1330-20-7)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>Long term – systemic effects</td>
<td>14.8 mg/m³</td>
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**DNEL:**

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<th>Substance</th>
<th>End Use:</th>
<th>Exposure routes:</th>
<th>Potential health effects:</th>
<th>Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (1330-20-7)</td>
<td>Consumers</td>
<td>Ingestion</td>
<td>Long term – systemic effects</td>
<td>1.6 mg/kg</td>
</tr>
</tbody>
</table>

**DNEL:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>End Use:</th>
<th>Exposure routes:</th>
<th>Potential health effects:</th>
<th>Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl Acetate (123-86-4)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Short term – local effects</td>
<td>960 mg/m³</td>
</tr>
</tbody>
</table>

**DNEL:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>End Use:</th>
<th>Exposure routes:</th>
<th>Potential health effects:</th>
<th>Value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl Acetate (123-86-4)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>Short term – systemic effects</td>
<td>960 mg/m³</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Floristics Silver Spray 400 ml

Version 1.0
Revision Date 29.01.2014
Print Date 20.11.2018

n-butyl acetate (123-86-4)
End Use: Workers
Exposure routes: Inhalation
Potential health effects: long term – local effects
Value: 480 mg/m³

DNEL:
n-butyl acetate (123-86-4)
End Use: Workers
Exposure routes: Inhalation
Potential health effects: long term – systemic effects
Value: 480 mg/m³

n-butyl acetate (123-86-4)
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: short term – local effects
Value: 859.7 mg/m³

DNEL:
n-butyl acetate (123-86-4)
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: short term – systemic effects
Value: 859.7 mg/m³

DNEL:
n-butyl acetate (123-86-4)
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: long term – local effects
Value: 102.34 mg/m³

DNEL:
n-butyl acetate (123-86-4)
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: long term – systemic effects
Value: 102.34 mg/m³

DNEL:
Naphtha (petroleum), hydrotreated heavy (64742-48-9)
End Use: Workers
Exposure routes: Skin contact
Potential health effects: long term – systemic effects
Value: 300 mg/kg

DNEL:
Naphtha (petroleum), hydrotreated heavy (64742-48-9)
End Use: Consumers
Exposure routes: Ingestion
Potential health effects: long term – systemic effects
Value: 300 mg/kg

DNEL:
Naphtha (petroleum), hydrotreated heavy (64742-48-9)  
End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: long term – systemic effects  
Value: 300 mg/kg

**DNEL:**  
Naphtha (petroleum), hydrotreated heavy (64742-48-9)  
End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: long term – systemic effects  
Value: 900 mg/m³

**PNEC:**  
acetone (67-64-1)  
Soil  
Value: 29.5 mg/kg

**PNEC:**  
acetone (67-64-1)  
Fresh water  
Value: 10.6 mg/l

**PNEC:**  
acetone (67-64-1)  
Fresh water sediment  
Value: 30.4 mg/kg

**PNEC:**  
acetone (67-64-1)  
Marine water  
Value: 1.06 mg/l

**PNEC:**  
acetone (67-64-1)  
Marine sediment  
Value: 3.04 mg/kg

**PNEC:**  
xylene (1330-20-7)  
Soil  
Value: 2.31 mg/kg

**PNEC:**  
xylene (1330-20-7)  
Fresh water  
Value: 0.327 mg/l

**PNEC:**  
xylene (1330-20-7)  
Fresh water sediment  
Value: 12.46 mg/kg

**PNEC:**  
xylene (1330-20-7)  
Marine water  
Value: 0.327 mg/l

**PNEC:**  

8.2 Exposure controls

**Personal protective equipment**

Eye protection : Eye wash bottle with pure water
                Tightly fitting safety goggles

Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

: Take note of the information given by the producer concerning
permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
The exact break through time can be obtained from the protective glove producer and this has to be observed.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Recommended preventive skin protection
Skin should be washed after contact.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
In the case of dust or aerosol formation use respirator with an approved filter.

Environmental exposure controls
General advice : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : aerosol

Colour : no data available

Odour : characteristic

pH : no data available

Freezing point : no data available

Boiling point/boiling range : -44 °C
SECTION 10: Stability and reactivity

10.1 Reactivity
No decomposition if stored and applied as directed.

10.2 Chemical stability
No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions
Hazardous reactions : Stable under recommended storage conditions.
Vapours may form explosive mixture with air.

10.4 Conditions to avoid
Conditions to avoid : Heat, flames and sparks.
10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

Other information : no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

**Product**

Acute inhalation toxicity : Acute toxicity estimate : > 5 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2,000 mg/kg

Method: Calculation method

**Components:**

7429-90-5 :

Acute inhalation toxicity : LC50 rat: > 5 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

1330-20-7 :
Acute dermal toxicity : Acute toxicity estimate : 1,100 mg/kg

Method: Converted acute toxicity point estimate

Skin corrosion/irritation

Product
May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Product
May cause irreversible eye damage.

Respiratory or skin sensitisation

no data available

Carcinogenicity

no data available

Toxicity to reproduction/fertility

no data available

Reprod.Tox./Development/Teratogenicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

Further information
Sample Floristics Silver Spray 400 ml

Product
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity
no data available

12.2 Persistence and degradability
no data available

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
Product:
Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.
SECTION 13: Disposal considerations

European Waste Catalogue : 16 05 04 - gases in pressure containers (including halons) containing dangerous substances

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1 UN number

ADR : 1950
IMDG : 1950
IATA : 1950

14.2 Proper shipping name

ADR : AEROSOLS
IMDG : AEROSOLS
IATA : AEROSOLS, FLAMMABLE

14.3 Transport hazard class

ADR : 2
IMDG : 2.1
IATA : 2.1

14.4 Packing group

ADR

Classification Code : 5F
Labels : 2.1
Tunnel restriction code : (D)

IMDG
Labels : 2.1
EmS Number : F-D, S-U

IATA
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (LQ) : Y203
Labels : 2.1

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
   no data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
   Water contaminating class (Germany) : WGK 2 water endangering
   Volatile organic compounds : 84.9 %

15.2 Chemical Safety Assessment
   no data available
SECTION 16: Other information

Full text of R-Phrases

- **R10**: Flammable.
- **R11**: Highly flammable.
- **R12**: Extremely flammable.
- **R20/21**: Harmful by inhalation and in contact with skin.
- **R36**: Irritating to eyes.
- **R37**: Irritating to respiratory system.
- **R38**: Irritating to skin.
- **R43**: May cause sensitisation by skin contact.
- **R51/53**: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **R65**: Harmful: may cause lung damage if swallowed.
- **R66**: Repeated exposure may cause skin dryness or cracking.
- **R67**: Vapours may cause drowsiness and dizziness.

Full text of H-Statements

- **H220**: Extremely flammable gas.
- **H225**: Highly flammable liquid and vapour.
- **H226**: Flammable liquid and vapour.
- **H228**: Flammable solid.
- **H280**: Contains gas under pressure; may explode if heated.
- **H304**: May be fatal if swallowed and enters airways.
- **H312**: Harmful in contact with skin.
- **H315**: Causes skin irritation.
- **H317**: May cause an allergic skin reaction.
- **H319**: Causes serious eye irritation.
- **H332**: Harmful if inhaled.
- **H335**: May cause respiratory irritation.
- **H336**: May cause drowsiness or dizziness.
- **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.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.