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

1.1 Product identifier

Trade name: Sample Floristics Silver Spray 400 ml
Trade name: 08300105Z

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 of person responsible for the SDS: msds.eckart@altana.com

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)
Aerosols, Category 1
Eye irritation, Category 2
Specific target organ toxicity - single exposure, Category 3, Central nervous system
Chronic aquatic toxicity, Category 3

H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

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

H412: Harmful to aquatic life with long lasting effects.
R12: Extremely flammable.
R67: Vapours may cause drowsiness and dizzi-
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Floristics Silver Spray 400 ml

Version 2.5
Revision Date: 17.06.2015
MSDS Number: 102000021904
Print Date: 20.11.2018
Date of first issue: 07.05.2014

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:
- Flammable aerosol
- Danger

Signal word: Danger

Hazard statements:
- H222: Extremely flammable aerosol.
- H229: Pressurised container: May burst if heated.
- 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.
- Prevention:
  - P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P211: Do not spray on an open flame or other ignition source.
  - P251: Do not pierce or burn, even after use.
  - P271: Use only outdoors or in a well-ventilated area.
- Storage:
  - P405: Store locked up.
  - P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
- 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
- 64742-95-6: solvent naphtha (petroleum), light arom.
- 92045-53-9: naphtha (petroleum), hydrodesulfurized light, deaeromatized
Sample Floristics Silver Spray 400 ml

1330-20-7  xylene
123-86-4   n-butyl acetate
64742-49-0 low boiling point hydrogen treated naphtha

**Additional Labelling:**
EUH208  Contains Orange, sweet, ext. May produce an allergic reaction.

### 2.3 Other hazards
No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification (67/548/EEC)</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>67-64-1, 200-662-2</td>
<td>F; R11, Xi; R36, R66, R67</td>
<td>Flam. Liq. 2; H225 Asp. Tox. 1; H319 STOT SE 3; H336</td>
<td>&gt;= 15 - &lt; 20</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), light arom.</td>
<td>64742-95-6, 265-199-0, 01-2119455851-35</td>
<td>Xn; R65, Xi; R37, N; R51/53, R10, R66, R67</td>
<td>Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335, H336 Aquatic Chronic 2; H411</td>
<td>&gt;= 2.5 - &lt; 10</td>
</tr>
<tr>
<td>naphtha (petroleum), hydrodesulfurized light, dearomatized</td>
<td>92045-53-9, 295-434-2</td>
<td>Xn; R65, F-Xn-N; R11, R67-R38, R65-R51/53</td>
<td>Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411</td>
<td>&gt;= 2.5 - &lt; 5</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7, 215-535-7</td>
<td>R10, Xi; R20/21, R38</td>
<td>Flam. Liq. 3; H226 Acute Tox. 4; H32 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373</td>
<td>&gt;= 1 - &lt; 5</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.
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
- Suitable extinguishing media: Dry sand, Carbon dioxide (CO2), Alcohol-resistant foam, ABC powder
- Unsuitable extinguishing media: High volume water jet

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 firefighting 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. Use a water spray to cool fully closed containers.

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.
Sample Floristics Silver Spray 400 ml

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 material for containment and cleaning up
   Methods for cleaning up: Pick up and transfer to properly labelled containers.

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

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>STEL</td>
<td>750 ppm</td>
<td>GB EH40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,810 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>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</td>
<td></td>
<td></td>
</tr>
<tr>
<td>butane</td>
<td></td>
<td>TWA</td>
<td>600 ppm</td>
<td>GB EH40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,450 mg/m³</td>
<td></td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>TWA</td>
<td>50 ppm</td>
<td>GB EH40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>220 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>TWA</td>
<td>500 ppm</td>
<td>2000/39/EC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,210 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Indicative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>aluminium powder (stabilised)</td>
<td>7429-90-5</td>
<td>TWA (Inhalable)</td>
<td>10 mg/m³</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.

<table>
<thead>
<tr>
<th>TWA (Respirable)</th>
<th>4 mg/m³</th>
<th>GB EH40</th>
</tr>
</thead>
</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/m³ 8-hour TWA of inhalable dust or 4 mg/m³ 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.

<table>
<thead>
<tr>
<th>TWA (Inhalable)</th>
<th>10 mg/m³</th>
<th>GB EH40</th>
</tr>
</thead>
</table>

**Further information**

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/m³ 8-hour TWA of inhalable dust or 4 mg/m³ 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>TWA (Respirable)</th>
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**Further information**

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<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Sampling time</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>methyl hippuric acid: 650 mmol/mol creatinine (Urine)</td>
<td>Post shift</td>
<td>GB EH40 BAT</td>
</tr>
</tbody>
</table>

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

**acetone (67-64-1):**
- End Use: Workers
- Exposure routes: Skin contact
- Potential health effects: long term – systemic effects
- Value: 186 mg/kg
- End Use: Workers
- Exposure routes: Inhalation
- Potential health effects: long term – systemic effects
- Value: 1210 mg/m³
- End Use: Consumers
- Exposure routes: Ingestion
- Potential health effects: long term – systemic effects
- Value: 62 mg/kg
- End Use: Consumers
- Exposure routes: Skin contact
- Potential health effects: long term – systemic effects
- Value: 62 mg/kg
- End Use: Consumers
- Exposure routes: Inhalation
- Potential health effects: long term – systemic effects
- Value: 200 mg/m³
- End Use: Workers
- Exposure routes: Inhalation
- Potential health effects: short term – local effects
- Value: 2420 mg/m³

**Solvent naphtha (petroleum), light arom. (64742-95-6):**
- End Use: Consumers
- Exposure routes: Ingestion
- Potential health effects: long term – systemic effects
- Value: 11 mg/kg
- End Use: Consumers
- Exposure routes: Skin contact
- Potential health effects: long term – systemic effects
- Value: 11 mg/kg
- End Use: Consumers
**Exposure routes:** Inhalation  
**Potential health effects:** long term – systemic effects  
**Value:** 32 mg/m³  
**End Use:** Workers

**Exposure routes:** Inhalation  
**Potential health effects:** short term – local effects  
**Value:** 289 mg/m³  
**End Use:** Workers

**Exposure routes:** Inhalation  
**Potential health effects:** short term – systemic effects  
**Value:** 289 mg/m³  
**End Use:** Workers

**Exposure routes:** Inhalation  
**Potential health effects:** long term – systemic effects  
**Value:** 77 mg/m³  
**End Use:** Workers

**Exposure routes:** Skin contact  
**Potential health effects:** long term – systemic effects  
**Value:** 180 mg/kg  
**End Use:** Consumers

**Exposure routes:** Inhalation  
**Potential health effects:** short term – local effects  
**Value:** 174 mg/m³  
**End Use:** Consumers

**Exposure routes:** Inhalation  
**Potential health effects:** short term – systemic effects  
**Value:** 174 mg/m³  
**End Use:** Consumers

**Exposure routes:** Skin contact  
**Potential health effects:** long term – systemic effects  
**Value:** 108 mg/kg  
**End Use:** Consumers

**Exposure routes:** Inhalation  
**Potential health effects:** long term – systemic effects  
**Value:** 14.8 mg/m³  
**End Use:** Consumers

**Exposure routes:** Ingestion  
**Potential health effects:** long term – systemic effects  
**Value:** 1.6 mg/kg  
**End Use:** Workers

---

**Exposure routes:** Inhalation  
**Potential health effects:** short term – systemic effects  
**Value:** 14.8 mg/m³  
**End Use:** Workers

**Exposure routes:** Inhalation  
**Potential health effects:** short term – local effects  
**Value:** 480 mg/m³  
**End Use:** Workers

**Exposure routes:** Inhalation  
**Potential health effects:** long term – systemic effects
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Floristics Silver Spray 400 ml

-- Table --

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>480 mg/m³</td>
<td></td>
<td></td>
<td>short term – local effects</td>
<td>859.7 mg/m³</td>
<td></td>
<td></td>
<td>short term – systemic effects</td>
<td>859.7 mg/m³</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td>102.34 mg/m³</td>
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<td>systemic effects</td>
</tr>
<tr>
<td>859.7 mg/m³</td>
<td></td>
<td></td>
<td>short term – systemic effects</td>
<td>102.34 mg/m³</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td>102.34 mg/m³</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300 mg/kg</td>
<td></td>
<td></td>
<td>long term – local effects</td>
<td>300 mg/kg</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td>300 mg/kg</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>300 mg/kg</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td>300 mg/kg</td>
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<td>systemic effects</td>
<td>300 mg/kg</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>900 mg/m³</td>
<td></td>
<td></td>
<td>long term – systemic effects</td>
<td>900 mg/m³</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td>900 mg/m³</td>
<td></td>
<td></td>
<td>systemic effects</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
- End Use: Consumers
- Exposure routes: Ingestion
- Potential health effects: long term – systemic effects
- Value: 300 mg/kg
- End Use: Consumers
- Exposure routes: Skin contact
- Potential health effects: long term – systemic effects
- Value: 300 mg/kg
- End Use: Consumers
- Exposure routes: Inhalation
- Potential health effects: long term – systemic effects
- Value: 900 mg/m³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

**Acetone (67-64-1)**
- Soil
  - Value: 29.5 mg/kg
- Fresh water
  - Value: 10.6 mg/l
- Fresh water sediment
  - Value: 30.4 mg/kg
- Marine water
  - Value: 1.06 mg/l
- Marine sediment
  - Value: 3.04 mg/kg
- STP
  - Value: 100 mg/l

**Xylene (1330-20-7)**
- Soil
  - Value: 2.31 mg/kg
- Fresh water
  - Value: 0.327 mg/l
- Fresh water sediment
  - Value: 12.46 mg/kg
- Marine water
Sample Floristics Silver Spray 400 ml

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: 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 break-through 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:
- This information is not available.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- **Appearance**: aerosol
- **Colour**: No data available
- **Odour**: characteristic
- **Odour Threshold**: No data available
- **pH**: No data available
- **Freezing point**: No data available
- **Boiling point/boiling range**: -44 °C
- **Flash point**: -97 °C
- **Evaporation rate**: No data available
- **Flammability (solid, gas)**: No data available
- **Upper explosion limit**: No data available
- **Lower explosion limit**: No data available
- **Vapour pressure**: No data available
- **Relative vapour density**: No data available
- **Relative density**: No data available
- **Density**: No data available
- **Bulk density**: No data available
- **Water solubility**: No data available
- **Solubility in other solvents**: No data available
- **Partition coefficient: n-octanol/water**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity, dynamic**: No data available
- **Viscosity, kinematic**: No data available
- **Flow time**: No data available
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available

9.2 Other information

No data available

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**: Vapours may form explosive mixture with air.
  
  No decomposition if stored and applied as directed.

10.4 Conditions to avoid
Conditions to avoid: Heat, flames and sparks.

10.5 Incompatible materials
Materials to avoid: This information is not available.

10.6 Hazardous decomposition products
Contact with water or humid air: This information is not available.

Thermal decomposition: This information is not 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:
74-98-6:
Acute inhalation toxicity: LC50 (Rat): 80000 ppm
  Exposure time: 0.25 h

67-64-1:
Acute oral toxicity: LD50 (Rat): 4,700 - 5,800 mg/kg
Acute inhalation toxicity: LC50 (Rat): 76 mg/l
  Exposure time: 4 h
Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg

64742-95-6:
Acute oral toxicity: LD50 (Rat): 2,000 - 5,000 mg/kg
Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg

1330-20-7:
Acute dermal toxicity: Acute toxicity estimate: 1,100 mg/kg
  Method: Converted acute toxicity point estimate
Sample Floristics Silver Spray 400 ml

7429-90-5:
Acute inhalation toxicity: LC50 (Rat): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

64742-48-9:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity: LC50 (Rat): > 4,951 mg/m³
Acute dermal toxicity: LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Product:
Remarks: May cause skin irritation and/or dermatitis.

Components:
67-64-1:
Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Serious eye damage/eye irritation

Product:
Remarks: May cause irreversible eye damage.

Components:
67-64-1:
Remarks: Severe eye irritation

1330-20-7:
Result: Eye irritation

Respiratory or skin sensitisation

Components:
1330-20-7:
Assessment: Harmful in contact with skin or if inhaled

STOT - single exposure

Components:
1330-20-7:
Assessment: May cause respiratory irritation.

STOT - repeated exposure

Components:
1330-20-7:
Assessment: May cause damage to organs through prolonged or repeated exposure.

**Components:**
1330-20-7:

**Aspiration toxicity**

**Components:**
1330-20-7:
May be fatal if swallowed and enters airways.

**Further information**

**Product:**
Remarks: 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.

**Components:**
64742-48-9:
Remarks: Solvents may degrease the skin.

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**SECTION 12: Ecological information**

12.1 **Toxicity**
No data available

12.2 **Persistence and degradability**
No data available

12.3 **Bioaccumulative potential**

**Components:**
123-86-4:
Partition coefficient: n-octanol/water : log Pow: 2.3

12.4 **Mobility in soil**
No data available

12.5 **Results of PBT and vPvB assessment**
Not relevant

12.6 **Other adverse effects**

**Product:**
Additional ecological information : Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.
**Sample Floristics Silver Spray 400 ml**

**Components:**

64742-48-9:

Additional ecological information: Remarks: No data available

**SECTION 13: Disposal considerations**

### 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:** UN 1950
- **IMDG:** UN 1950
- **IATA:** UN 1950

### 14.2 UN proper shipping name

- **ADR:** AEROSOLS
- **IMDG:** AEROSOLS
- **IATA:** Aerosols, flammable

### 14.3 Transport hazard class(es)

- **ADR:** 2.1
- **IMDG:** 2.1
- **IATA:** 2.1

### 14.4 Packing group

- **ADR:**
  - Packing group: Not assigned by regulation
  - Classification Code: 5F
  - Labels: 2.1
  - Tunnel restriction code: (D)

- **IMDG:**
Packing group : Not assigned by regulation
Labels : 2.1
EmS Code : F-D, S-U

IATA
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (LQ) : Y203
Packing group : Not assigned by regulation
Labels : Flammable gas

14.5 Environmental hazards

ADR
Environmentally hazardous : no

IMDG
Marine pollutant : no

14.6 Special precautions for user
Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

15.2 Chemical Safety Assessment
This information is not 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.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Sample Floristics Silver Spray 400 ml

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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.
H337 : 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.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard
Eye Irrit. : Eye irritation
Flam. Gas : Flammable gases
Flam. Liq. : Flammable liquids
Flam. Sol. : Flammable solids
Press. Gas : Gases under pressure
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
STOT RE : Specific target organ toxicity - repeated exposure
STOT SE : Specific target organ toxicity - single exposure

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