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

1.1 Product identifier

Trade name: Sample Agent Wheel rim silver satin 750 ml 17-09006

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: 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)**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquids, Category 2</td>
<td>H225: Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>Skin irritation, Category 2</td>
<td>H315: Causes skin irritation.</td>
</tr>
<tr>
<td>Eye irritation, Category 2</td>
<td>H319: Causes serious eye irritation.</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure, Category 3, Central nervous system</td>
<td>H336: May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>Chronic aquatic toxicity, Category 3</td>
<td>H412: Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly flammable</td>
<td>R11: Highly flammable.</td>
</tr>
<tr>
<td></td>
<td>R66: Repeated exposure may cause skin dryness or cracking.</td>
</tr>
<tr>
<td></td>
<td>R67: Vapours may cause drowsiness and</td>
</tr>
</tbody>
</table>
2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms: 

- Fire
- Flamethrower

Signal word: Danger

Hazard statements:
- H225: Highly flammable liquid and vapour.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:
- P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233: Keep container tightly closed.
- P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P273: Avoid release to the environment.

Response:
- P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P370 + P378: In case of fire: Use for extinction: Dry sand.

Hazardous components which must be listed on the label:
141-78-6 ethyl acetate

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. EC-No. Registration number</th>
<th>Classification (67/548/EEC)</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl acetate</td>
<td>141-78-6 205-500-4 01-2119475103-46</td>
<td>F; R11 Xi; R36 R66 R67</td>
<td>Flam. Liq. H225 Eye Irrit. 2; H319 STOT SE 3; H336</td>
<td>&gt;= 20 - &lt; 25</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1 200-662-2 01-2119471330-49</td>
<td>F; R11 Xi; R36 R66 R67</td>
<td>Flam. Liq. H225 Eye Irrit. 2; H319 STOT SE 3; H336</td>
<td>&gt;= 20 - &lt; 25</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7 215-535-7 01-2119488216-32</td>
<td>R10 Xn; R20/21 Xi; R38</td>
<td>Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315</td>
<td>&gt;= 10 - &lt; 12.5</td>
</tr>
<tr>
<td>aluminium</td>
<td>7429-90-5 231-072-3 01-2119529243-45</td>
<td>F; R11</td>
<td>Flam. Sol. 1; H228</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4 204-658-1 01-2119485493-29</td>
<td>R10 R66 R67</td>
<td>Flam. Liq. 3; H226 STOT SE 3; H336</td>
<td>&lt; 10</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), hydrotreated heavy</td>
<td>64742-48-9 265-150-3</td>
<td>Xn; R65</td>
<td>Asp. Tox. 1; H304</td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
<tr>
<td>butan-1-ol</td>
<td>71-36-3 200-751-6 01-2119484630-38</td>
<td>R10 Xn; R22 Xi; R37/38-R41 R67</td>
<td>Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318</td>
<td>&gt;= 1 - &lt; 3</td>
</tr>
</tbody>
</table>
Sample Agent Wheel rim silver satin 750 ml 17-09006

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.
- Move the victim to fresh air.
- Do not leave the victim unattended.

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.
- Wash off immediately with soap and plenty of water.

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.
- Immediately flush eye(s) with plenty of water.

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
Sample Agent Wheel rim silver satin 750 ml 17-09006

Version 1.0   Revision Date 30.01.2014   Print Date 20.11.2018

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Dry sand, Special powder against metal fire

Unsuitable extinguishing media: ABC powder, Carbon dioxide (CO2), Water, Foam

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. 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. Evacuate personnel to safe 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: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush with water.

Use mechanical handling equipment.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid formation of aerosol. 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. Open drum carefully as content may be under pressure. 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: 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. Electrical installations / working materials must comply with the technological safety standards.

Earthing of containers and apparatuses is essential. Reaction with water liberates extremely flammable gas (hydrogen) Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.

Further information on storage conditions: Protect from humidity and water.

Advice on common storage: Do not store near acids. Do not store together with oxidizing and self-igniting products. Keep away from oxidising agents and strongly acid or alkaline materials. Never allow product to get in contact with water during storage. Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

German storage class: 4.1B, Flammable solid hazardous materials

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>ethyl acetate</td>
<td>141-78-6</td>
<td>TWA</td>
<td>200 ppm</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>141-78-6</td>
<td>STEL</td>
<td>400 ppm</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
</tbody>
</table>

Components | CAS-No. | Value type (Form of exposure) | Control parameters | Update | Basis     |
|-----------|---------|-------------------------------|--------------------|--------|-----------|

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## Components

<table>
<thead>
<tr>
<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>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>
<tr>
<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>1330-20-7</td>
<td>TWA</td>
<td>50 ppm 220 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
<tr>
<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>1330-20-7</td>
<td>TWA</td>
<td>50 ppm 221 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
</tr>
<tr>
<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>
</tr>
</tbody>
</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.
- Identifies the possibility of significant uptake through the skin

**Components**

<table>
<thead>
<tr>
<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>7429-90-5</td>
<td>TWA (Inhalable)</td>
<td>10 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 concentrations.
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>Substance</th>
<th>TWA (Respirable)</th>
<th>Expiry Date</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</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.

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA (Inhalable)</th>
<th>Expiry Date</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>10 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
</tbody>
</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.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.
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>n-butyl acetate</td>
<td>123-86-4</td>
<td>TWA</td>
<td>150 ppm 724 mg/m(^3)</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>STEL</td>
<td>200 ppm 966 mg/m(^3)</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
<tr>
<td>butan-1-ol</td>
<td>71-36-3</td>
<td>STEL</td>
<td>50 ppm 154 mg/m(^3)</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
</tbody>
</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>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>naphthalene</td>
<td>91-20-3</td>
<td>TWA</td>
<td>10 ppm 50 mg/m(^3)</td>
<td>1991-07-05</td>
<td>91/322/EEC</td>
</tr>
</tbody>
</table>
### Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Sampling time</th>
<th>Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>methyl hippuric acid: (Urine)</td>
<td>Post shift</td>
<td>2005-04-06</td>
</tr>
</tbody>
</table>

**DNEL:**

**ethyl acetate (141-78-6)**
- *End Use: Workers*
- *Exposure routes: Inhalation*
- *Potential health effects: short term – local effects*
- *Value: 1468 mg/m3*

**DNEL:**

**ethyl acetate (141-78-6)**
- *End Use: Workers*
- *Exposure routes: Inhalation*
- *Potential health effects: short term – systemic effects*
- *Value: 1468 mg/m3*

**DNEL:**

**ethyl acetate (141-78-6)**
- *End Use: Workers*
- *Exposure routes: Inhalation*
- *Potential health effects: long term – local effects*
- *Value: 734 mg/m3*

**DNEL:**

**ethyl acetate (141-78-6)**
- *End Use: Workers*
- *Exposure routes: Skin contact*
- *Potential health effects: long term – systemic effects*
- *Value: 63 mg/kg*

**DNEL:**

**ethyl acetate (141-78-6)**
- *End Use: Workers*
- *Exposure routes: Inhalation*
- *Potential health effects: long term – systemic effects*
- *Value: 734 mg/m3*

**DNEL:**

**ethyl acetate (141-78-6)**
- *End Use: Consumers*
- *Exposure routes: Inhalation*
- *Potential health effects: short term – local effects*
- *Value: 734 mg/m3*
Sample Agent Wheel rim silver satin 750 ml 17-09006

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ethyl acetate (141-78-6)  End Use: Consumers
Exposure routes: Inhalation
Potential health effects: short term – systemic effects
Value: 734 mg/m³

DNEL:
ethyl acetate (141-78-6)  End Use: Consumers
Exposure routes: Inhalation
Potential health effects: long term – local effects
Value: 367 mg/m³

DNEL:
ethyl acetate (141-78-6)  End Use: Consumers
Exposure routes: Skin contact
Potential health effects: long term – systemic effects
Value: 37 mg/kg

DNEL:
ethyl acetate (141-78-6)  End Use: Consumers
Exposure routes: Inhalation
Potential health effects: long term – systemic effects
Value: 367 mg/m³

DNEL:
ethyl acetate (141-78-6)  End Use: Consumers
Exposure routes: Ingestion
Potential health effects: long term – systemic effects
Value: 4.5 mg/kg

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</td>
<td>62 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effects</td>
<td></td>
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<tr>
<td>DNEL:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>acetone (67-64-1)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic</td>
<td>200 mg/m3</td>
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<td>effects</td>
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<tr>
<td>DNEL:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local</td>
<td>289 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effects</td>
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<td>DNEL:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – systemic</td>
<td>289 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effects</td>
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</tr>
<tr>
<td>DNEL:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic</td>
<td>77 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effects</td>
<td></td>
</tr>
<tr>
<td>DNEL:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic</td>
<td>180 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effects</td>
<td></td>
</tr>
<tr>
<td>DNEL:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>short term – local</td>
<td>174 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effects</td>
<td></td>
</tr>
<tr>
<td>DNEL:</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>short term – systemic</td>
<td>174 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>effects</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>End Use</td>
<td>Exposure routes</td>
<td>Potential health effects</td>
<td>Value</td>
</tr>
<tr>
<td>----------------------------</td>
<td>---------------</td>
<td>-----------------</td>
<td>-------------------------------------------------</td>
<td>-----------</td>
</tr>
<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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<tr>
<td><strong>DNEL:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
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<td></td>
</tr>
<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>
<tr>
<td><strong>DNEL:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td><strong>DNEL:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td><strong>DNEL:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – local effects</td>
<td>480 mg/m³</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>480 mg/m³</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>859.7 mg/m³</td>
</tr>
</tbody>
</table>
### Sample Agent Wheel rim silver satin 750 ml 17-09006

<table>
<thead>
<tr>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>n-butyl acetate (123-86-4)</strong></td>
<td>Inhalation</td>
<td>short term – systemic effects</td>
<td>859.7 mg/m³</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td>n-butyl acetate (123-86-4)</td>
<td>Inhalation</td>
<td>long term – local effects</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td>n-butyl acetate (123-86-4)</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td>Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td>Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td>Solvent naphtha (petroleum), light arom. (64742-95-6)</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td>Naphtha (petroleum), hydrotreated heavy (64742-48-9)</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
</tr>
<tr>
<td><strong>DNEL:</strong></td>
<td>Naphtha (petroleum), hydrotreated heavy (64742-48-9)</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
</tr>
</tbody>
</table>
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

butan-1-ol (71-36-3)

End Use: Workers
Exposure routes: Inhalation
Potential health effects: long term – local effects
Value: 310 mg/m³

**DNEL:**
butan-1-ol (71-36-3)

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: long term – local effects
Value: 55 mg/m³

**DNEL:**
butan-1-ol (71-36-3)

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: long term – systemic effects
Value: 3.125 mg/kg

**PNEC:**
ethyl acetate (141-78-6)

Soil
Value: 0.24 mg/kg

**PNEC:**
ethyl acetate (141-78-6)

STP
Value: 650 mg/l

**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
### Sample Agent Wheel rim silver satin 750 ml 17-09006

<table>
<thead>
<tr>
<th>Substance</th>
<th>Media</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone (67-64-1)</td>
<td>Marine water</td>
<td>1.06 mg/l</td>
</tr>
<tr>
<td>acetone (67-64-1)</td>
<td>Marine sediment</td>
<td>3.04 mg/kg</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Soil</td>
<td>2.31 mg/kg</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Fresh water</td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Fresh water sediment</td>
<td>12.46 mg/kg</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Marine water</td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Marine sediment</td>
<td>12.46 mg/kg</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>STP</td>
<td>6.58 mg/l</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>Soil</td>
<td>0.0903 mg/kg</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>Fresh water</td>
<td>0.18 mg/l</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>Fresh water sediment</td>
<td>0.981 mg/kg</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>STP</td>
<td>35.6 mg/l</td>
</tr>
</tbody>
</table>
PNEC:
n-butyl acetate (123-86-4)  :  
    Marine water  
    Value: 0.018 mg/l

PNEC:  
n-butyl acetate (123-86-4)  :  
    Marine sediment  
    Value: 0.0981 mg/kg

PNEC:  
butan-1-ol (71-36-3)  :  
    Soil  
    Value: 0.015 mg/kg

PNEC:  
butan-1-ol (71-36-3)  :  
    Fresh water  
    Value: 0.082 mg/l

PNEC:  
butan-1-ol (71-36-3)  :  
    Fresh water sediment  
    Value: 0.178 mg/kg

PNEC:  
butan-1-ol (71-36-3)  :  
    STP  
    Value: 2476 mg/l

PNEC:  
butan-1-ol (71-36-3)  :  
    Marine water  
    Value: 0.0082 mg/l

PNEC:  
butan-1-ol (71-36-3)  :  
    Marine sediment  
    Value: 0.0178 mg/kg

PNEC:  
butan-1-ol (71-36-3)  :  
    Sporadic Release  
    Value: 2.25 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection  :  
    Eye wash bottle with pure water
    Wear face-shield and protective suit for abnormal processing problems.

    :  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.

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 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.

Use suitable breathing protection if workplace concentration requires.

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.

Water:
The product should not be allowed to enter drains, water courses or the soil.

### SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>no data available</td>
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<tr>
<td>Odour</td>
<td>characteristic</td>
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<tr>
<td>pH</td>
<td>no data available</td>
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<tr>
<td>Freezing point</td>
<td>no data available</td>
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<tr>
<td>Boiling point/boiling range</td>
<td>55 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>-19 °C</td>
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<tr>
<td>Bulk density</td>
<td>no data available</td>
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<tr>
<td>Flammability (solid, gas)</td>
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</tr>
<tr>
<td>Auto-flammability</td>
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</tr>
<tr>
<td>Upper explosion limit</td>
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</tr>
<tr>
<td>Lower explosion limit</td>
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<tr>
<td>Vapour pressure</td>
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<tr>
<td>Density</td>
<td>0.92 g/cm³</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>Solubility in other solvents</td>
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</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Thermal decomposition</td>
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<tr>
<td>Viscosity</td>
<td>see user defined free text</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>&gt; 21 mm²/s (40 °C)</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 21 mm²/s (40 °C)</td>
</tr>
<tr>
<td>Flow time</td>
<td>no data available</td>
</tr>
</tbody>
</table>

#### 9.2 Other information
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.
Do not allow evaporation to dryness.

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 oral toxicity: Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method
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:
1330-20-7 :
   Acute dermal toxicity : Acute toxicity estimate : 1,100 mg/kg
   Method: Converted acute toxicity point estimate

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

71-36-3 :
   Acute oral toxicity : Acute toxicity estimate : 500 mg/kg
   Method: Converted acute toxicity point estimate

91-20-3 :
   Acute oral toxicity : Acute toxicity estimate : 500 mg/kg
   Method: Converted acute toxicity point estimate

Skin corrosion/irritation
Product
May cause skin irritation in susceptible persons.

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

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: 1263
IMDG: 1263
IATA: 1263

14.2 Proper shipping name
ADR: PAINT
IMDG: PAINT
IATA: PAINT

14.3 Transport hazard class
ADR: 3
IMDG: 3
IATA: 3

14.4 Packing group
ADR
Packaging group: II
Classification Code: F1
Hazard identification No: 33
Labels: 3
Tunnel restriction code: (D/E)

IMDG
Packaging group: II
Labels: 3
EmS Number: F-E, S-E
IATA
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353
Packing instruction (LQ) : Y341
Packaging group : II
Labels : 3

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

15.2 Chemical Safety Assessment

no data available

SECTION 16: Other information

Full text of R-Phrases

R10 Flammable.
R11 Highly flammable.
R20/21 Harmful by inhalation and in contact with skin.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
Sample Agent Wheel rim silver satin 750 ml 17-09006

Version 1.0  Revision Date 30.01.2014  Print Date 20.11.2018

| R38 | Irritating to skin. |
| R40 | Limited evidence of a carcinogenic effect. |
| R41 | Risk of serious damage to eyes. |
| R50 | Very toxic to aquatic organisms. |

**Full text of H-Statements**

- **H225**  Highly flammable liquid and vapour.
- **H226**  Flammable liquid and vapour.
- **H228**  Flammable solid.
- **H302**  Harmful if swallowed.
- **H304**  May be fatal if swallowed and enters airways.
- **H312**  Harmful in contact with skin.
- **H315**  Causes skin irritation.
- **H318**  Causes serious eye damage.
- **H319**  Causes serious eye irritation.
- **H332**  Harmful if inhaled.
- **H335**  May cause respiratory irritation.
- **H336**  May cause drowsiness or dizziness.
- **H351**  Suspected of causing cancer.
- **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.