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

1.1 Product identifier
   Trade name: Sample Agent Stainless Steel Spray 750 ml 14-07016
   Material number: 0887607Z

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)
   Flammable liquids, Category 2
   H225: Highly flammable liquid and vapour.
   Skin irritation, Category 2
   H315: Causes skin irritation.
   Serious eye damage, Category 1
   H318: Causes serious eye damage.
   Specific target organ toxicity - single exposure, Category 3, Central nervous system
   H336: May cause drowsiness or dizziness.
   Specific target organ toxicity - single exposure, Category 3, Respiratory
   H335: May cause respiratory irritation.
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Agent Stainless Steel Spray 750 ml 14-07016

Version 2.0  Revision Date: 20.02.2017  SDS Number: 102000005104  Print Date: 20.11.2018
Date of first issue: 07.11.2014

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)
Hazard pictograms:

Signal word: Danger

Hazard statements:

H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

Prevention:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear eye protection/ face protection.

Response:
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P321: Specific treatment (see supplemental first aid instructions on this label).
P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Disposal:
P501: Dispose of contents/ container to an approved waste disposal plant.
Hazardous components which must be listed on the label:

- n-butyl acetate (CAS-No. 123-86-4, EC-No. 204-658-1, Registration number 01-2119485493-29)
- xylene (CAS-No. 1330-20-7, EC-No. 215-535-7)
- ethyl acetate (CAS-No. 141-78-6, EC-No. 205-500-4, Registration number 01-2119475103-46)
- acetone (CAS-No. 67-64-1, EC-No. 200-662-2, Registration number 01-2119471330-49)
- butan-1-ol

Additional Labelling:
EUH208 Contains nickel powder. May produce an allergic reaction.

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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>EC-No.</th>
<th>Registration number</th>
<th>Classification (67/548/EEC)</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4 204-658-1 01-2119485493-29</td>
<td>R10</td>
<td>R66</td>
<td>R67</td>
<td>Flam. Liq. 3; H226 STOT SE 3; H336</td>
<td>&gt;= 20 - &lt; 25</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7 215-535-7</td>
<td>R10 Xn; R20/21 Xi; R38</td>
<td></td>
<td></td>
<td>Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>141-78-6 205-500-4 01-2119475103-46</td>
<td>F; R11 Xi; R36</td>
<td>R66</td>
<td>R67</td>
<td>Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1 200-662-2 01-2119471330-49</td>
<td>F; R11 Xi; R36</td>
<td>R66</td>
<td></td>
<td>Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1 Description of first aid measures

General advice  : Move out of dangerous area. Consult a physician. 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 : Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed     : Keep respiratory tract clear. Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

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: Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

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.
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 material 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).

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

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.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

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
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Agent Stainless Steel Spray 750 ml 14-07016

Version 2.0  Revision Date: 20.02.2017  SDS Number: 102000005104  Print Date: 20.11.2018  Date of first issue: 07.11.2014

7.2 Further information
 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>Basis (Version Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>TWA</td>
<td>150 ppm</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>724 mg/m³</td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>STEL</td>
<td>200 ppm</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>966 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 (2005-04-06)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>220 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>100 ppm</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>441 mg/m³</td>
<td></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, Indicative

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 (Respirable)</th>
<th>STEL</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td>iron</td>
<td>7439-89-6</td>
<td>4 mg/m³</td>
<td>(2011-12-01)</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.

butan-1-ol
<table>
<thead>
<tr>
<th>71-36-3</th>
<th>STEL</th>
<th>50 ppm</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>154 mg/m³</td>
<td>(2005-04-06)</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.

ethylbenzene
<table>
<thead>
<tr>
<th>100-41-4</th>
<th>TWA</th>
<th>100 ppm</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>442 mg/m³</td>
<td>(2000-04-06)</td>
</tr>
</tbody>
</table>

Further information
Identifies the possibility of significant uptake through the skin, Indicative.

ethylbenzene
<table>
<thead>
<tr>
<th>100-41-4</th>
<th>STEL</th>
<th>200 ppm</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>884 mg/m³</td>
<td>(2000-04-06)</td>
</tr>
</tbody>
</table>

Further information
Identifies the possibility of significant uptake through the skin, Indicative.

ethylbenzene
<table>
<thead>
<tr>
<th>100-41-4</th>
<th>TWA</th>
<th>100 ppm</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>441 mg/m³</td>
<td>(2005-04-06)</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.

ethylbenzene
<table>
<thead>
<tr>
<th>100-41-4</th>
<th>STEL</th>
<th>125 ppm</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>552 mg/m³</td>
<td>(2005-04-06)</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.

chromium
<table>
<thead>
<tr>
<th>7440-47-3</th>
<th>TWA</th>
<th>2 mg/m³</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(2006-02-09)</td>
</tr>
</tbody>
</table>

Further information
Indicative.

chromium
<table>
<thead>
<tr>
<th>7440-47-3</th>
<th>TWA</th>
<th>0.5 mg/m³</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(2005-04-06)</td>
</tr>
</tbody>
</table>

Further information
Where no specific short-term exposure limit is listed, a figure three times the
long-term exposure should be used.

chromium
<table>
<thead>
<tr>
<th>7440-47-3</th>
<th>TWA</th>
<th>2 mg/m³</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(chromium)</td>
<td>(2006-02-09)</td>
</tr>
</tbody>
</table>

Further information
Indicative.

nickel powder
<table>
<thead>
<tr>
<th>7440-02-0</th>
<th>TWA</th>
<th>0.5 mg/m³</th>
<th>GB EH40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(2005-04-06)</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.,
Where no specific short-term exposure limit is listed, a figure three times the
long-term exposure should be used.
### Biological occupational exposure limits

<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:

<table>
<thead>
<tr>
<th>Substance name</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>600 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – local effects</td>
<td>300 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – local effects</td>
<td>35.7 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>Long-term systemic effects</td>
<td>11 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>2 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>6 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Ingestion</td>
<td>short term – systemic effects</td>
<td>2 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>short term – systemic effects</td>
<td>6 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>short term – systemic effects</td>
<td>11 mg/kg</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>289 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – systemic effects</td>
<td>289 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>77 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>180 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>short term – local effects</td>
<td>174 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>short term – systemic effects</td>
<td>174 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>108 mg/kg</td>
</tr>
</tbody>
</table>
### Sample Agent Stainless Steel Spray 750 ml 14-07016

<table>
<thead>
<tr>
<th></th>
<th>Consumers</th>
<th>Ingestion</th>
<th>long term – systemic effects</th>
<th>14.8 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl acetate (141-78-6)</td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>1.6 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>1468 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – systemic effects</td>
<td>1468 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – local effects</td>
<td>734 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>63 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>734 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>734 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>short term – systemic effects</td>
<td>734 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – local effects</td>
<td>367 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>37 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>367 mg/m³</td>
</tr>
<tr>
<td>acetone (67-64-1)</td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>4.5 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>186 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>1210 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>62 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>62 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>200 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>2420 mg/m³</td>
</tr>
<tr>
<td>iron (7439-89-6)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – local effects</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – local</td>
<td>1.5 mg/m³</td>
</tr>
</tbody>
</table>
### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Environmental Compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Soil</td>
<td>0.0903 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Fresh water</td>
<td>0.18 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>0.981 mg/kg</td>
</tr>
<tr>
<td></td>
<td>STP</td>
<td>35.6 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0.018 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td>0.0981 mg/kg</td>
</tr>
<tr>
<td>xylene (1330-20-7)</td>
<td>Soil</td>
<td>2.31 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Fresh water</td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>12.46 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td>12.46 mg/kg</td>
</tr>
<tr>
<td></td>
<td>STP</td>
<td>6.58 mg/l</td>
</tr>
<tr>
<td>ethyl acetate (141-78-6)</td>
<td>Soil</td>
<td>0.148 mg/kg</td>
</tr>
<tr>
<td></td>
<td>STP</td>
<td>650 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water</td>
<td>0.24 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0.024 mg/l</td>
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<tr>
<td></td>
<td>Fresh water sediment</td>
<td>1.15 mg/kg</td>
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<td></td>
<td>Marine sediment</td>
<td>0.115 mg/kg</td>
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<tr>
<td>acetone (67-64-1)</td>
<td>Soil</td>
<td>29.5 mg/kg</td>
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<tr>
<td></td>
<td>Fresh water</td>
<td>10.6 mg/l</td>
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<tr>
<td></td>
<td>Fresh water sediment</td>
<td>30.4 mg/kg</td>
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<tr>
<td></td>
<td>Marine water</td>
<td>1.06 mg/l</td>
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<tr>
<td></td>
<td>Marine sediment</td>
<td>3.04 mg/kg</td>
</tr>
<tr>
<td></td>
<td>STP</td>
<td>100 mg/l</td>
</tr>
</tbody>
</table>
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.

Hand protection

Remarks: 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.

Environmental exposure controls: This information is not available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: liquid
Colour: silver
Odour: characteristic
Odour Threshold: No data available
pH: No data available
Freezing point: No data available
Boiling point/boiling range: 55 °C
Flash point: -19 °C
Evaporation rate: No data available
Flammability (solid, gas): No data available
Auto-flammability: 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: ca. 0.95 g/cm³

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
Ignition temperature: No data available
Decomposition temperature: No data available

Viscosity
Viscosity, dynamic: No data available
Viscosity, kinematic: > 21 mm²/s (40 °C)

Flow time: 12 - 16 s at 20 °C
Cross section: 4 mm
Method: DIN 53211

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Acute toxicity estimate</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>&gt; 2,000 mg/kg</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td>&gt; 20 mg/l</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>&gt; 2,000 mg/kg</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Components:

1330-20-7:

| Acute dermal toxicity                        | 1,100 mg/kg             | Converted acute toxicity point estimate |

141-78-6:

| Acute inhalation toxicity                    | LC50 (Rat): 56 mg/l    |                                      |
| Acute dermal toxicity                        | LD50 (Rabbit): > 18,000 mg/kg |                                      |

67-64-1:

| Acute oral toxicity                          | LD50 (Rat): 4,700 - 5,800 mg/kg |                                      |
| Acute inhalation toxicity                    | LC50 (Rat): 76 mg/l           |                                      |
| Acute dermal toxicity                        | LD50 (Rabbit): > 2,000 mg/kg  |                                      |

71-36-3:

| Acute oral toxicity                          | Acute toxicity estimate: 500 mg/kg | Converted acute toxicity point estimate |

100-41-4:

| Acute oral toxicity                          | LD50 (Rat): 3,500 mg/kg |                                      |
| Acute dermal toxicity                        | LD50 (Rabbit): 5,000 mg/kg |                                      |

7440-47-3:

| Acute oral toxicity                          | LD50 Oral: > 5,000 mg/kg |                                      |
| Acute inhalation toxicity                    | LC50: > 5.41 mg/l        |                                      |
Exposure time: 4 h

7440-02-0:
Acute oral toxicity: LD50 Oral: 9,000 mg/kg

Skin corrosion/irritation

**Product:**
Remarks: Extremely corrosive and destructive to tissue.

**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:**
1330-20-7:
Result: Eye irritation

67-64-1:
Remarks: Severe eye irritation

**Respiratory or skin sensitisation**

**Product:**
Remarks: Causes 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.

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

Product:
Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:
Additional ecological information : Remarks: No data available
SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product: Do not dispose of waste into sewer.
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 1263
IMDG: UN 1263
IATA: UN 1263

14.2 UN proper shipping name
ADR: PAINT
IMDG: PAINT
IATA: Paint

14.3 Transport hazard class(es)
ADR: 3
IMDG: 3
IATA: 3

14.4 Packing group
ADR
Packing group: II
Classification Code: F1
Hazard Identification Number: 33
Labels: 3
Tunnel restriction code: (D/E)

IMDG
Packing group: II
Labels: 3
EmS Number: F-E,S-E

IATA
Packing instruction (cargo): 364
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.
R20 : Harmful by inhalation.
R20/21 : Harmful by inhalation and in contact with skin.
R22 : Harmful if swallowed.
R36 : Irritating to eyes.
R37/38 : Irritating to respiratory system and skin.
R38 : Irritating to skin.
R40 : Limited evidence of a carcinogenic effect.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitisation by skin contact.
R48/20 : Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R48/23 : Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R52 : Harmful to aquatic organisms.
R53 : 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

H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H302 : Harmful if swallowed.
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.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H322 : Harmful if inhaled.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H351 : Suspected of causing cancer.
H372 : Causes damage to organs through prolonged or repeated exposure.
H373 : May cause damage to organs through prolonged or repeated exposure.
H412 : Harmful to aquatic life with long lasting effects.
H413 : May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard
Carc. : Carcinogenicity
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
STOT RE : Specific target organ toxicity - repeated exposure
STOT SE : Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -
Further information

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.