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

1.1 Product identifier

Trade name : Sample Heat resistant Spray fire red 400 ml

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company : ECKART GmbH
Guentersthal 4
91235 Hartenstein

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

1.4 Emergency telephone number

GBK Gefahrgut Büro GmbH, Ingelheim, Germany:
From outside US: (001) 352-323-3500
US & Canada (toll free) : 1-800-5355-053

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable aerosols , Category 1 : H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.

Specific target organ toxicity - single exposure , Category 3, Central nervous system
H336: May cause drowsiness or dizziness.

Chronic aquatic toxicity , Category 3
H412: Harmful to aquatic life with long lasting effects.

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

Extremely flammable
R12: Extremely flammable.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
Sample Heat resistant Spray fire red 400 ml

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:

- Danger

Signal word

Hazard statements:

- H222: Extremely flammable aerosol.
- H229: Pressurised container: May burst if heated.
- 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.
- P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P271: Use only outdoors or in a well-ventilated area.

Storage:

- P405: Store locked up.

Disposal:

- P501: Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 123-86-4: n-butyl acetate

Additional Labelling:

- S16, S 2: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking
- S5: Keep out of the reach of children
children.

2.3 Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>01-2119485493-29</td>
<td>R10 R66 R67</td>
<td>Flam. Liq.; H226 STOT SE 3; H336</td>
<td>&gt;= 25 - &lt; 50</td>
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<td></td>
<td>204-658-1</td>
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<td></td>
<td>01-2119485493-29</td>
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<tr>
<td>Solvent naphtha (petroleum), light arom.</td>
<td>64742-95-6</td>
<td>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>
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<tr>
<td></td>
<td>265-199-0</td>
<td>01-21194489370-35</td>
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<td>xylene</td>
<td>1330-20-7</td>
<td>215-535-7</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;= 1 - &lt; 5</td>
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<td>ethylbenzene</td>
<td>100-41-4</td>
<td>01-2119489370-35</td>
<td>F; R11 Xn; R20</td>
<td>Flam. Liq. 2; H225 Acute Tox. 4; H332</td>
<td>&lt; 10</td>
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<td>202-849-4</td>
<td>01-21194489370-35</td>
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<tr>
<td>WEL substance</td>
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<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>01-2119475791-29</td>
<td>R10</td>
<td>Flam. Liq. 3; H226</td>
<td>&lt; 10</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Heat resistant Spray fire red 400 ml

For the full text of the R-phrases mentioned in this Section, see Section 16. For the full text of the H-Statements mentioned in this Section, see Section 16.

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: Flush eyes with water as a precaution. 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
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Heat resistant Spray fire red 400 ml

Version 1.0 Revision Date 27.11.2014 Print Date 20.11.2018

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. 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 materials 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

<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/m3</td>
<td>2005-04-06</td>
<td>GB EH40</td>
</tr>
</tbody>
</table>
## Sample Heat resistant Spray fire red 400 ml

Version 1.0  
Revision Date 27.11.2014  
Print Date 20.11.2018

### Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
</table>
| n-butyl acetate | 123-86-4 | STEL                          | 200 ppm  
966 mg/m³  | 2005-04-06 | GB EH40              |
| butane      | 106-97-8 | STEL                          | 750 ppm  
1,810 mg/m³ | 2007-08-01 | GB EH40              |
| butane      | 106-97-8 | TWA                           | 600 ppm  
1,450 mg/m³ | 2007-08-01 | GB EH40              |
| xylene      | 1330-20-7 | TWA                           | 50 ppm  
220 mg/m³ | 2005-04-06 | GB EH40              |
| xylene      | 1330-20-7 | STEL                          | 100 ppm  
441 mg/m³ | 2005-04-06 | GB EH40              |
| xylene      | 1330-20-7 | TWA                           | 50 ppm  
221 mg/m³ | 2000-06-16 | 2000/39/EC           |

### Further information

#### n-butyl acetate

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.

#### Butane

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.

#### Xylene

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.
### SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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**Sample Heat resistant Spray fire red 400 ml**

Version 1.0  
Revision Date 27.11.2014  
Print Date 20.11.2018

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<table>
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<th>Update</th>
<th>Basis</th>
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<td>xylene</td>
<td>1330-20-7</td>
<td>STEL</td>
<td>100 ppm 442 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
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<tr>
<td><strong>Further information</strong></td>
<td></td>
<td></td>
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<td></td>
<td>Identifies the possibility of significant uptake through the skin</td>
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<th>Update</th>
<th>Basis</th>
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</thead>
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<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>TWA</td>
<td>50 ppm 275 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
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<td><strong>Further information</strong></td>
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<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>STEL</td>
<td>100 ppm 550 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
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<th>Update</th>
<th>Basis</th>
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<tbody>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>TWA</td>
<td>50 ppm 274 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
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<tr>
<td><strong>Further information</strong></td>
<td></td>
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<tr>
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<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>Indicative</td>
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<table>
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<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
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<tbody>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>TWA</td>
<td>100 ppm 442 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
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<tr>
<td><strong>Further information</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
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<td>Identifies the possibility of significant uptake through the skin</td>
<td>Indicative</td>
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<tr>
<th>Components</th>
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<th>Control parameters</th>
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<th>Basis</th>
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<td>ethylbenzene</td>
<td>100-41-4</td>
<td>STEL</td>
<td>200 ppm 884 mg/m³</td>
<td>2000-06-16</td>
<td>2000/39/EC</td>
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<td><strong>Further information</strong></td>
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<tr>
<th>Components</th>
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<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
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<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>TWA</td>
<td>100 ppm 441 mg/m³</td>
<td>2005-04-06</td>
<td>GB EH40</td>
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</table>
Further information
Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

<table>
<thead>
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<th>Substance name</th>
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<th>Control parameters</th>
<th>Sampling time</th>
<th>Update</th>
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<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>
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</tbody>
</table>

**DNEL:**

n-butyl acetate (123-86-4)
End Use: Workers
Exposure routes: Inhalation
Potential health effects: short term – local effects
Value: 960 mg/m3

n-butyl acetate (123-86-4)
End Use: Workers
Exposure routes: Inhalation
Potential health effects: short term – systemic effects
Value: 960 mg/m3

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

n-butyl acetate (123-86-4)
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: short term – local effects
Value: 859.7 mg/m3
Sample Heat resistant Spray fire red 400 ml

**DNEL:**

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

**DNEL:**

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

**DNEL:**

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

**DNEL:**

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

**DNEL:**

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

**DNEL:**

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

**DNEL:**

xylene (1330-20-7)  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: short term – local effects  
Value: 289 mg/m³

**DNEL:**

xylene (1330-20-7)  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: short term – systemic effects  
Value: 289 mg/m³
### DNEL:

**xylene (1330-20-7)**

- **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

**2-methoxy-1-methylethyl acetate (108-65-6)**

- **End Use:** Workers
- **Exposure routes:** Skin contact
- **Potential health effects:** long term – systemic effects
- **Value:** 153.5 mg/kg
## Sample Heat resistant Spray fire red 400 ml

<table>
<thead>
<tr>
<th>Compound</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>275 mg/m³</td>
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<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>1.67 mg/kg</td>
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<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>54.8 mg/kg</td>
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<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>33 mg/m³</td>
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<table>
<thead>
<tr>
<th>Compound</th>
<th>Environment</th>
<th>Value</th>
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<tbody>
<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Soil</td>
<td>0.0903 mg/kg</td>
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<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Fresh water</td>
<td>0.18 mg/l</td>
</tr>
<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Fresh water sediment</td>
<td>0.981 mg/kg</td>
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<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>STP</td>
<td>35.6 mg/l</td>
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<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Marine water</td>
<td>0.018 mg/l</td>
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<tr>
<td>n-butyl acetate (123-86-4)</td>
<td>Marine sediment</td>
<td>0.0981 mg/kg</td>
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</table>
**Sample Heat resistant Spray fire red 400 ml**

Version 1.0  Revision Date 27.11.2014  Print Date 20.11.2018

<table>
<thead>
<tr>
<th>Substance</th>
<th>Environment</th>
<th>Value</th>
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<tbody>
<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>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Soil</td>
<td>0.29 mg/kg</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Fresh water</td>
<td>0.635 mg/l</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Fresh water sediment</td>
<td>3.29 mg/kg</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Marine water</td>
<td>0.0635 mg/l</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</td>
<td>Marine sediment</td>
<td>0.329 mg/kg</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate (108-65-6)</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

- **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 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**

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

**Respiratory protection**

- **Remarks** : In the case of vapour formation use a respirator with an approved filter.
  - In the case of dust or aerosol formation use respirator with an approved filter.

**Environmental exposure controls**

- **General advice**
  - Prevent product from entering drains.
  - Prevent further leakage or spillage if safe to do so.
  - If the product contaminates rivers and lakes or drains inform respective authorities.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- **Appearance**: liquid
- **Colour**: red
- **Odour**: no data available
- **pH**: no data available
- **Freezing point**: no data available
- **Boiling point/boiling range**: -44.5 °C
- **Flash point**: -97 °C
- **Bulk density**: no data available
- **Flammability (solid, gas)**: no data available
- **Auto-flammability**: no data available
- **Upper explosion limit**: upper flammability limit 10.9 % (V)
- **Lower explosion limit**: lower flammability limit 1.1 % (V)
- **Vapour pressure**: no data available
- **Density**: ca. 1 g/cm³
- **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
- **Thermal decomposition**: no data available
- **Viscosity**: no data available
- **Viscosity, dynamic**: > 21 mm²/s (40 °C)
- **Viscosity, kinematic**: > 21 mm²/s (40 °C)
- **Flow time**: 35 - 50 s
  - Cross section: 4 mm
9.2 Other information

no data available

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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:
no data available

10.6 Hazardous decomposition products

Hazardous decomposition products:
no data available

Other information:
no data available

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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: 800000 ppm
- Exposure time: 0.25 h

64742-95-6:
- Acute oral toxicity : LD50 rat: 2,000 - 5,000 mg/kg
  
1330-20-7:
- Acute dermal toxicity : LD50 rabbit: > 2,000 mg/kg

100-41-4:
- Acute oral toxicity : LD50 rat: 3,500 mg/kg

**Skin corrosion/irritation**

**Product**
May cause skin irritation and/or dermatitis.

**Serious eye damage/eye irritation**

**Product**

Vapours may cause irritation to the eyes, respiratory system and the skin.

**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.
Sample Heat resistant Spray fire red 400 ml

Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

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

SECTION 14: Transport information

14.1 UN number
ADR : 1950
IMDG : 1950
IATA : 1950

14.2 Proper shipping name
ADR : AEROSOLS
IMDG : AEROSOLS
IATA : AEROSOLS, FLAMMABLE

14.3 Transport hazard class
ADR : 2
IMDG : 2.1
IATA : 2.1

14.4 Packing group
ADR

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

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

IATA
Packing instruction (cargo) : 203
Sample Heat resistant Spray fire red 400 ml

Version 1.0  Revision Date 27.11.2014  Print Date 20.11.2018

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

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Prohibition/Restriction
Candidate List of Substances of Very High Concern for Authorisation : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

15.2 Chemical Safety Assessment

no data available

SECTION 16: Other information

Full text of R-Phrases

R10  Flammable.
R11  Highly flammable.
R12  Extremely flammable.
R20  Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R37  Irritating to respiratory system.
R38  Irritating to skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the...
Full text of H-Statements

H220  Extremely flammable gas.
H225  Highly flammable liquid and vapour.
H226  Flammable liquid and vapour.
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.
H322  Harmful if inhaled.
H335  May cause respiratory irritation.
H336  May cause drowsiness or dizziness.
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.