Sample Weld Primer 14-09033

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

1.1 Product identifier
   Trade name: Sample Weld Primer 14-09033
   Material number: 08868107Z

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.
   Eye irritation, Category 2
   H319: Causes serious eye irritation.
   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)

- Highly ﬂammable
  - R11: Highly ﬂammable.
- Irritant
  - R36: Irritating to eyes.
  - R66: Repeated exposure may cause skin dryness or cracking.
  - R67: Vapours may cause drowsiness and dizziness.
- Dangerous for the environment
  - R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

- Hazard pictograms:
  - ! Flammable
  - ! Warning
- 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:
  - P101: If medical advice is needed, have product container or label at hand.
  - P102: Keep out of reach of children.
  - P103: Read label before use.
  - Prevention:
    - P210: Keep away from heat/sparks/open ﬂames/hot surfaces. No smoking.
    - P271: Use only outdoors or in a well-ventilated area.
  - Response:
    - P370 + P378: In case of fire: Use for extinction: Dry sand.
  - Storage:
    - P405: Store locked up.
  - Disposal:
    - P501: Dispose of contents/container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 67-64-1 acetone
### 3.2 Mixtures

#### Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>EC-No. 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>acetone</td>
<td>67-64-1</td>
<td>200-662-2 01-2119471330-49</td>
<td>F; R11 X1; R36 R66 R67</td>
<td>Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336</td>
<td>&gt;= 25 - &lt; 50</td>
</tr>
<tr>
<td>low boiling point hydrogen treated naphtha</td>
<td>64742-49-0 265-151-9</td>
<td>Xn; R65 F; R11 N; R51/53 R66 R67</td>
<td>Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411</td>
<td>&gt;= 20 - &lt; 25</td>
<td></td>
</tr>
<tr>
<td>aluminium powder (stabilised)</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>
<td></td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7 215-535-7</td>
<td>R10 Xn; R20/21 Xi; R38</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;= 5 - &lt; 10</td>
<td></td>
</tr>
<tr>
<td>low boiling point hydrogen treated naphtha</td>
<td>64742-48-9 918-481-9 01-2119457273-39</td>
<td>Xn; R65</td>
<td>Asp. Tox. 1; H304</td>
<td>&gt;= 1 - &lt; 10</td>
<td></td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4 202-849-4 01-2119489370-35</td>
<td>F; R11 Xn; R20-R48/20-R65</td>
<td>Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT RE 2; H373 Asp. Tox. 1; H304</td>
<td>&lt; 10</td>
<td></td>
</tr>
<tr>
<td>Quaternary ammonium compounds, coco alkylethyldimethyl, Et sulfates</td>
<td>68308-64-5 269-662-8</td>
<td>Xn-C-N; R22-R34-R50</td>
<td>Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400</td>
<td>&gt;= 1 - &lt; 2.5</td>
<td></td>
</tr>
</tbody>
</table>

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

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

For explanation of abbreviations 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.
- 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.

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

Symptoms: No information available.

Risks: No information available.

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
- ABC powder
- Foam

Unsuitable extinguishing media:
- High volume water jet
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Weld Primer 14-09033

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.

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. 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 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). 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. Observe label precautions. 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.
- Never allow product to get in contact with water during storage.
- Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Other data:
- No decomposition if stored and applied as directed.
### SECTION 8: Exposure controls/personal protection

#### 8.1 Control Exposure levels

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis (Version Date)</th>
</tr>
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<tbody>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>TWA</td>
<td>500 ppm</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,210 mg/m³</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Indicative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>TWA</td>
<td>500 ppm</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,210 mg/m³</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>STEL</td>
<td>1,500 ppm</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3,620 mg/m³</td>
<td>GB EH40 (2005-04-06)</td>
</tr>
<tr>
<td>aluminium powder (stabilised)</td>
<td>7429-90-5</td>
<td>TWA (Inhalable)</td>
<td>10 mg/m³</td>
<td>GB EH40 (2011-12-01)</td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Indicative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>aluminium powder (stabilised)</td>
<td>7429-90-5</td>
<td>TWA (Respirable)</td>
<td>4 mg/m³</td>
<td>GB EH40 (2011-12-01)</td>
</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Indicative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>aluminium powder (stabilised)</td>
<td>7429-90-5</td>
<td>TWA (Inhalable)</td>
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</tr>
<tr>
<td>Further information</td>
<td></td>
<td>Indicative</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Further information**

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

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

<table>
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<tr>
<th>aluminium powder (stabilised)</th>
<th>7429-90-5</th>
<th>TWA (Respirable)</th>
<th>4 mg/m³</th>
<th>GB EH40 (2005-04-06)</th>
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<td>Further information</td>
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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>Substance</th>
<th>TWA (Respirable dust)</th>
<th>STEL</th>
<th>(pb)ppm</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder</td>
<td>4 mg/m³</td>
<td></td>
<td></td>
<td>GB EH40</td>
</tr>
<tr>
<td>(stabilised)</td>
<td></td>
<td></td>
<td></td>
<td>(2011-12-01)</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.

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA</th>
<th>STEL</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>50 ppm 220 mg/m³</td>
<td></td>
<td>GB EH40</td>
</tr>
<tr>
<td>(1330-20-7)</td>
<td></td>
<td></td>
<td>(2005-04-06)</td>
</tr>
</tbody>
</table>

Further information: Identifies the possibility of significant uptake through the skin.

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA</th>
<th>STEL</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>100 ppm 441 mg/m³</td>
<td></td>
<td>GB EH40</td>
</tr>
<tr>
<td>(1330-20-7)</td>
<td></td>
<td></td>
<td>(2005-04-06)</td>
</tr>
</tbody>
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<th>Category</th>
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<tbody>
<tr>
<td>xylene</td>
<td>100 ppm 221 mg/m³</td>
<td></td>
<td>GB EH40</td>
</tr>
<tr>
<td>(1330-20-7)</td>
<td></td>
<td></td>
<td>(2000-06-16)</td>
</tr>
</tbody>
</table>

Further information: Identifies the possibility of significant uptake through the skin.

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA</th>
<th>STEL</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethylbenzene</td>
<td>100 ppm 442 mg/m³</td>
<td></td>
<td>GB EH40</td>
</tr>
<tr>
<td>(100-41-4)</td>
<td></td>
<td></td>
<td>(2000-06-16)</td>
</tr>
</tbody>
</table>

Further information: Identifies the possibility of significant uptake through the skin.

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA</th>
<th>STEL</th>
<th>Category</th>
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</thead>
<tbody>
<tr>
<td>ethylbenzene</td>
<td>200 ppm 884 mg/m³</td>
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<td>GB EH40</td>
</tr>
<tr>
<td>(100-41-4)</td>
<td></td>
<td></td>
<td>(2000-06-16)</td>
</tr>
</tbody>
</table>

Further information: Identifies the possibility of significant uptake through the skin.

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA</th>
<th>STEL</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethylbenzene</td>
<td>100 ppm</td>
<td></td>
<td>GB EH40</td>
</tr>
<tr>
<td>(100-41-4)</td>
<td></td>
<td></td>
<td>(2000-06-16)</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.

**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>acetone (67-64-1)</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>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>
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<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>180 mg/kg</td>
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<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>short term – local effects</td>
<td>174 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>short term – systemic effects</td>
<td>174 mg/m³</td>
</tr>
<tr>
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<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>108 mg/kg</td>
</tr>
<tr>
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<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic effects</td>
<td>14.8 mg/m³</td>
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<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic effects</td>
<td>1.6 mg/kg</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy (64742-48-9)</td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic effects</td>
<td>300 mg/kg</td>
</tr>
</tbody>
</table>
Consumers  Ingestion  long term – systemic effects  300 mg/kg

Consumers  Skin contact  long term – systemic effects  300 mg/kg

Consumers  Inhalation  long term – systemic effects  900 mg/m3

**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>acetone (67-64-1)</td>
<td>Soil</td>
<td>29.5 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Fresh water</td>
<td>10.6 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>30.4 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>1.06 mg/l</td>
</tr>
<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>
<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>
</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.

**Goggles**

**Hand protection**

**Material**: 
- Solvent-resistant gloves (butyl-rubber)

**Remarks**: 
- Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and 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

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>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>45 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>-18 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>ca. 0.87 g/cm³</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 21 mm²/s (40 °C)</td>
</tr>
<tr>
<td>Flow time</td>
<td>11 - 13 s at 20 °C</td>
</tr>
<tr>
<td>Cross section</td>
<td>4 mm</td>
</tr>
</tbody>
</table>
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: Contact with acids and alkalis may release hydrogen. 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: Acids Bases Oxidizing agents

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

Thermal decomposition: This information is not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity

Product:
Acute oral toxicity: Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity: Acute toxicity estimate: > 20 mg/l
   Exposure time: 4 h
   Test atmosphere: vapour
   Method: Calculation method

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

**Components:**

- **67-64-1:**
  - Acute oral toxicity: LD50 (Rat): 4,700 - 5,800 mg/kg
  - Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg

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

- **1330-20-7:**
  - Acute dermal toxicity: Acute toxicity estimate: 1,100 mg/kg
    Method: Converted acute toxicity point estimate

- **64742-48-9:**
  - Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
  - Acute dermal toxicity: LD50 (Rabbit): > 5,000 mg/kg
  - Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

- **100-41-4:**
  - Acute dermal toxicity: LD50 (Rabbit): 5,000 mg/kg

**Skin corrosion/irritation**

**Product:**

Remarks: May cause skin irritation in susceptible persons.

**Components:**

- **67-64-1:**
  - Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.
Serious eye damage/eye irritation

**Product:**
Remarks: May cause irreversible eye damage.

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

1330-20-7:
Result: Eye irritation

Respiratory or skin sensitisation

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

STOT - single exposure

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

STOT - repeated exposure

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

**Components:**
1330-20-7:
Aspiration toxicity

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

Further information

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

**Components:**
64742-48-9:
Remarks: Solvents may degrease the skin.
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
Not relevant

12.6 Other adverse effects

Product:
Additional ecological information
Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

Components:
64742-48-9:
Additional ecological information
Remarks: No data available

SECTION 13: Disposal considerations

European Waste Catalogue: 08 01 11 - waste paint and varnish containing organic solvents or other 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
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Weld Primer 14-09033

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 aircraft) : 364
Packing instruction (passenger aircraft) : 353
Packing instruction (LQ) : Y341
Packing group : II
Labels : Flammable Liquids

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).

: This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

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.
R34 : Causes burns.
R36 : Irritating to eyes.
R38 : Irritating to skin.
R48/20 : Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50 : Very toxic to aquatic organisms.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 : Harmful: may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.

Full text of H-Statements

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.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H373 : May cause damage to organs through prolonged or repeated exposure.
H400 : Very toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations
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.
**Sample Weld Primer 14-09033**

<table>
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<th>Version</th>
<th>Revision Date:</th>
<th>SDS Number:</th>
<th>Print Date:</th>
<th>Date of first issue:</th>
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<td>1.1</td>
<td>11.04.2017</td>
<td>102000000131</td>
<td>20.11.2018</td>
<td>17.06.2015</td>
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