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

1.1 Product identifier

Product name : Sika® Primer-3 N

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

At present there is no complete information available on identified uses. When the data becomes available, it will be integrated into the safety data sheet.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Distributor : Sika Limited
Watchmead Welwyn Garden City
Hertfordshire. AL7 1BQ
United Kingdom
Telephone no. : 01707 394444
Fax no. : 01707 329129
e-mail address of person responsible for this SDS : EHS@uk.sika.com
Emergency telephone number : +44 (0)1707 363899 (available during office hours).

1.4 Emergency telephone number

Supplier
Telephone number : +44 (0)1707 363899 (available during office hours).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Directive 1999/45/EC (DPD)

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : F; R11
               : Xi; R36
               : R66, R67

Physical/chemical hazards : Highly flammable.

Human health hazards : Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard symbol or symbols :  

Indication of danger : Highly flammable, Irritant

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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)

Sika® Primer-3 N

SECTION 2: Hazards identification

Risk phrases:
- R11 - Highly flammable.
- R36 - Irritating to eyes.
- R66 - Repeated exposure may cause skin dryness or cracking.
- R67 - Vapours may cause drowsiness and dizziness.

Safety phrases: Not applicable.

Hazardous ingredients:
- Contains dibutyltin dilaurate. May produce an allergic reaction.

Supplemental label elements:
- Not available.

2.3 Other hazards
Other hazards which do not result in classification: Not available.

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Mixture</th>
</tr>
</thead>
</table>

<table>
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<tbody>
<tr>
<td>ethyl acetate</td>
<td>&gt;=50 - &lt; 75</td>
<td>F; R11, Xr; R36, R66, R67</td>
<td>Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336</td>
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<td>xylene</td>
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<td>F; R11, Xn; R20/21, Xi; R38</td>
<td>Flam. Liq. 2, H225, Acute Tox. 4, H332</td>
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<td>Index: 601-022-00-9</td>
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<td>isopropanol</td>
<td>&gt;=5 - &lt; 10</td>
<td>F; R11, Xi; R36, R67</td>
<td>Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336</td>
<td>[1]</td>
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<td>RRN: 01-2119457558-25</td>
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<td>CAS: 67-63-0</td>
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<td>Index: 603-117-00-0</td>
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<tr>
<td>ethylbenzene</td>
<td>&gt;=1 - &lt; 3</td>
<td>F; R11, Xn; R20</td>
<td>Flam. Liq. 2, H225, Acute Tox. 4, H332</td>
<td>[1][2]</td>
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<tr>
<td>RRN: 01-2119489370-35</td>
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<td>Index: 601-023-00-4</td>
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<tr>
<td>methanol</td>
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<td>F; R11, T; R23/24/25, R39/23/24/25</td>
<td>Flam. Liq. 2, H225, Acute Tox. 3, H301</td>
<td>[1][2]</td>
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<tr>
<td>RRN: 01-2119433307-44</td>
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<td>CAS: 67-56-1</td>
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<td>Index: 603-001-00-X</td>
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</tr>
<tr>
<td>dibutyltin dilaurate</td>
<td>&gt;=0.1 - &lt; 0.25</td>
<td>Muta. Cat. 3; R68, Repr. Cat. 2; R60, R61, T; R48/25, C; R34</td>
<td>Skin Corr. 1B, H314, Skin Sens. 1, H317, Mutat. 2B, H341, Repr. 1B, H360FD, STOT SE 1, H370o</td>
<td>[1]</td>
</tr>
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<td>EC: 201-039-8</td>
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<td>CAS: 77-58-7</td>
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</tbody>
</table>

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SECTION 3: Composition/information on ingredients

| R43 N; R50/53 | See Section 16 for the full text of the R-phrases declared above. | STOT RE 1, H372o Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | See Section 16 for the full text of the H statements declared above. |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type
[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation: If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention if adverse health effects persist or are severe. Get medical attention if symptoms appear.

Skin contact: Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact: Irritating to eyes.

Inhalation: Vapours may cause drowsiness and dizziness.

Skin contact: Defatting to the skin. May cause skin dryness and irritation.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: irritation, watering, redness

Inhalation: Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo

Skin contact: Adverse symptoms may include the following: irritation, dryness, cracking
SECTION 4: First aid measures

**Ingestion**  No specific data.

4.3 **Indication of any immediate medical attention and special treatment needed**

**Notes to physician**  Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**  No specific treatment.

SECTION 5: Firefighting measures

5.1 **Extinguishing media**

- **Suitable extinguishing media**  Use dry chemical, CO₂, water spray (fog) or foam.
- **Unsuitable extinguishing media**  Do not use water jet.

5.2 **Special hazards arising from the substance or mixture**

- **Hazards from the substance or mixture**  Highly flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
- **Hazardous thermal decomposition products**  Decomposition products may include the following materials:
  - Carbon dioxide
  - Carbon monoxide

5.3 **Advice for firefighters**

- **Special protective actions for fire-fighters**  Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

- **Special protective equipment for fire-fighters**  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**

- **For non-emergency personnel**  No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

- **For emergency responders**  If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2 **Environmental precautions**  Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 **Methods and materials for containment and cleaning up**

- **Small spill**  Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.

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SECTION 6: Accidental release measures

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment.

6.4 Reference to other sections: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapour or mist. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Empty containers retain product residue and can be hazardous. Take precautionary measures against electrostatic discharges.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations: Not available.

Industrial sector specific solutions: Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits
# SECTION 8: Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
</table>
| ethyl acetate           | **EH40/2005 WELs (United Kingdom (UK), 1/2012).**  
                           | STEL: 400 ppm 15 minute(s).  
                           | TWA: 200 ppm 8 hour(s). |
| xylene                  | **EH40/2005 WELs (United Kingdom (UK), 1/2012). Absorbed through skin.**  
                           | STEL: 441 mg/m³ 15 minute(s).  
                           | STEL: 100 ppm 15 minute(s).  
                           | TWA: 220 mg/m³ 8 hour(s).  
                           | TWA: 50 ppm 8 hour(s).    |
| isopropanol             | **EH40/2005 WELs (United Kingdom (UK), 1/2012).**  
                           | STEL: 1250 mg/m³ 15 minute(s).  
                           | STEL: 500 ppm 15 minute(s).  
                           | TWA: 999 mg/m³ 8 hour(s).  
                           | TWA: 400 ppm 8 hour(s).    |
| ethylbenzene            | **EH40/2005 WELs (United Kingdom (UK), 1/2012). Absorbed through skin.**  
                           | STEL: 552 mg/m³ 15 minute(s).  
                           | STEL: 125 ppm 15 minute(s).  
                           | TWA: 100 ppm 8 hour(s).  
                           | TWA: 441 mg/m³ 8 hour(s). |
| methanol                | **EH40/2005 WELs (United Kingdom (UK), 1/2012). Absorbed through skin.**  
                           | STEL: 333 mg/m³ 15 minute(s).  
                           | STEL: 250 ppm 15 minute(s).  
                           | TWA: 266 mg/m³ 8 hour(s).  
                           | TWA: 200 ppm 8 hour(s).    |
| dibutyltin dilaurate    | **EH40/2005 WELs (United Kingdom (UK), 1/2012). Absorbed through skin. Notes: as Sn**  
                           | STEL: 0.2 mg/m³, (as Sn) 15 minute(s).  
                           | TWA: 0.1 mg/m³, (as Sn) 8 hour(s). |

**Recommended monitoring procedures**: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

**DNELs/DMELs**:  
No DELs available.

**PNECs**:  
No PECs available.

## 8.2 Exposure controls

**Appropriate engineering controls**: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Individual protection measures**

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
SECTION 8: Exposure controls/personal protection

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Reference number EN 374. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves. (0.4 mm), breakthrough time <30 min. Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Organic vapour filter (Type A)

- A1: < 1000 ppm
- A2: < 5000 ppm
- A3: < 10000 ppm

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state: Liquid.
- Colour: Colourless.
- Odour: Faint odour.
- Odour threshold: Not available.
- pH: Not available.
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: Not available.
- Flash point: Closed cup: -4°C
- Evaporation rate: Not available.
- Flammability (solid, gas): Not available.
- Burning time: Not applicable.
- Burning rate: Not applicable.
- Upper/lower flammability or explosive limits: Lowest known value:
  - Lower: 1% (xylene)
  - Highest known value:
  - Upper: 12% (isopropanol)
- Vapour pressure: Highest known value: 10 kPa (74.9936 mm Hg) (ethyl acetate)
- Vapour density: Not available.
- Density: ~0.98 g/cm³ [20°C (68°F)]
- Relative density: Not available.
- Solubility(ies): Not available.
- Partition coefficient: n-octanol/water: Not available.
SECTION 9: Physical and chemical properties

- Auto-ignition temperature: 465°C (xylene)
- Decomposition temperature: Not available.
- Viscosity: Not available.
- Explosive properties: Not available.
- Oxidising properties: Not available.

9.2 Other information
No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability: The product is stable.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

10.5 Incompatible materials: Highly reactive or incompatible with the following materials: oxidizing materials

10.6 Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
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<tbody>
<tr>
<td>ethyl acetate</td>
<td>LC50 Inhalation Vapour</td>
<td>Rat</td>
<td>1600 mg/l</td>
<td>4 hours</td>
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<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>xylene</td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>1100 mg/kg</td>
<td>-</td>
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<tr>
<td>methanol</td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>300 mg/kg</td>
<td>-</td>
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<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>100 mg/kg</td>
<td>-</td>
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<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2071 mg/kg</td>
<td>-</td>
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</table>

Conclusion/Summary: Not available.

Irritation/Corrosion
Conclusion/Summary: Not available.

Sensitisation
Conclusion/Summary: Not available.

Mutagenicity
Conclusion/Summary: Not available.

Carcinogenicity
Conclusion/Summary: Not available.

Reproductive toxicity
Conclusion/Summary: Not available.

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SECTION 11: Toxicological information

**Teratogenicity**
Conclusion/Summary : Not available.

Information on the likely routes of exposure

**Potential acute health effects**

*Eye contact* : Irritating to eyes.

*Inhalation* : Vapours may cause drowsiness and dizziness. Can cause gastrointestinal disturbances.

*Skin contact* : Defatting to the skin. May cause skin dryness and irritation.

*Ingestion* : Can cause gastrointestinal disturbances.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

Potential immediate effects : Not available.
Potential delayed effects : Not available.

**Long term exposure**

Potential immediate effects : Not available.
Potential delayed effects : Not available.
Potential chronic health effects
Not available.

Conclusion/Summary : Not available.

**General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Other information** : Not available.

SECTION 12: Ecological information

**12.1 Toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibutyltin dilaurate</td>
<td>Acute EC50 1 to 10 mg/l</td>
<td>Algae</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 1 mg/l</td>
<td>Daphnia</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 3.1 mg/l</td>
<td>Fish</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

Conclusion/Summary : Not available.

**12.2 Persistence and degradability**

Conclusion/Summary : Not available.

**12.3 Bioaccumulative potential**
SECTION 12: Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
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<tbody>
<tr>
<td>ethyl acetate</td>
<td>0.73</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>xylene</td>
<td>3.16</td>
<td>-</td>
<td>high</td>
</tr>
<tr>
<td>isopropanol</td>
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</tr>
<tr>
<td>ethylbenzene</td>
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<td>high</td>
</tr>
<tr>
<td>methanol</td>
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<td>-</td>
<td>low</td>
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<tr>
<td>dibutyltin dilaurate</td>
<td>3.12</td>
<td>-</td>
<td>high</td>
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</tbody>
</table>

12.4 Mobility in soil
Soil/water partition coefficient (K<sub>oc</sub>)
Mobility: Not available.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste: Yes.

European waste catalogue (EWC)

<table>
<thead>
<tr>
<th>Waste code</th>
<th>Waste designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11*</td>
<td>waste paint and varnish containing organic solvents or other dangerous substances</td>
</tr>
</tbody>
</table>

Packaging
: Completely emptied packaging or practically empty packaging containing dried/cured residues, once relieved of all pressure can be disposed of as non-hazardous waste.

Packaging may still contain hazardous residues and disposal should undertaken by a licensed waste contractor.

Any disposal practice must be in compliance with local and national laws and regulations.

SECTION 14: Transport information
### SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>ADR/RID - ADN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1866</td>
<td>UN1866</td>
<td>UN1866</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2 UN proper shipping name</th>
<th>Resin solution</th>
<th>Resin solution</th>
<th>Resin solution</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>14.3 Transport hazard class(es)</th>
<th>3</th>
<th>3</th>
<th>3</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>14.4 Packing group</th>
<th>II</th>
<th>II</th>
<th>II</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>14.5 Environmental hazards</th>
<th>No</th>
<th>No</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Additional information</th>
<th>Emergency schedules (EmS) F-E, S-E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification code</th>
<th>F1</th>
</tr>
</thead>
</table>

| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not available. |

### SECTION 15: Regulatory information

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

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorisation**

**Annex XIV**

None of the components are listed (=> 0.1 %).

**Substances of very high concern**

None of the components are listed (=> 0.1 %).

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

: Not applicable.

**VOC content (EU)**

: VOC (w/w): 66.34%

**Other EU regulations**

**REACH Information:**

: All substances contained in our Products are
  - preregistered or registered by our upstream suppliers, and/or
  - preregistered or registered by us, and/or
  - excluded from the regulation, and/or
  - exempted from the registration.

**Europe inventory**

: Not available.

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Carcinogenic effects</th>
<th>Mutagenic effects</th>
<th>Developmental effects</th>
<th>Fertility effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibutyltin dilaurate</td>
<td>-</td>
<td>Muta. Cat. 3; R68</td>
<td>Repr. Cat. 2; R61</td>
<td>Repr. Cat. 2; R60</td>
</tr>
</tbody>
</table>

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SECTION 15: Regulatory information

References:  Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4)  
            Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended)  
            Health & Safety at Work Act 1974  
            Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)  
            The Environmental Protection (Duty of Care) Regulations 1991  
            Hazardous waste regulations 2005  
            The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007

Guidance Publications:  Approved Code of Practice - Management of Health and Safety at Work, HSE  
                       General Approved Code of Practice to COSHH Regulations, HSE.  
                       EH40, Workplace Exposure Limits, HSE (as updated).  
                       HS(G) 53, Respiratory Protection Equipment - a Practical Guide for Users, HSE.

15.2 Chemical Safety Assessment:  This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Abbreviations and acronyms:  ATE = Acute Toxicity Estimate  
                             CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
                             DNEL = Derived No Effect Level  
                             EUH statement = CLP-specific Hazard statement  
                             PNEC = Predicted No Effect Concentration  
                             RRN = REACH Registration Number

Full text of abbreviated H statements:  H224  Extremely flammable liquid and vapour.  
                                       H225  Highly flammable liquid and vapour.  
                                       H226  Flammable liquid and vapour.  
                                       H301  Toxic if swallowed.  
                                       H304  May be fatal if swallowed and enters airways.  
                                       H311  Toxic in contact with skin.  
                                       H312  Harmful in contact with skin.  
                                       H314  Causes severe skin burns and eye damage.  
                                       H315  Causes skin irritation.  
                                       H317  May cause an allergic skin reaction.  
                                       H319  Causes serious eye irritation.  
                                       H331  Toxic if inhaled.  
                                       H332  Harmful if inhaled.  
                                       H336i  May cause drowsiness or dizziness.  
                                       H341  Suspected of causing genetic defects.  
                                       H360FD  May damage fertility. May damage the unborn child.  
                                       H370i  Causes damage to organs if inhaled.  
                                       H370o  Causes damage to organs if swallowed.  
                                       H370s  Causes damage to organs in contact with skin.  
                                       H372o  Causes damage to organs through prolonged or repeated exposure if swallowed.  
                                       H400  Very toxic to aquatic life.  
                                       H410  Very toxic to aquatic life with long lasting effects.
SECTION 16: Other information

Full text of classifications [CLP/GHS]

- Acute Tox. 3, H301: ACUTE TOXICITY: ORAL - Category 3
- Acute Tox. 3, H311: ACUTE TOXICITY: SKIN - Category 3
- Acute Tox. 3, H331: ACUTE TOXICITY: INHALATION - Category 3
- Acute Tox. 4, H312: ACUTE TOXICITY: SKIN - Category 4
- Acute Tox. 4, H332: ACUTE TOXICITY: INHALATION - Category 4
- Aquatic Acute 1, H400: AQUATIC TOXICITY (ACUTE) - Category 1
- Aquatic Chronic 1, H410: AQUATIC TOXICITY (CHRONIC) - Category 1
- Asp. Tox. 1, H304: ASPIRATION HAZARD - Category 1
- Eye Irrit. 2, H319: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
- Flam. Liq. 1, H224: FLAMMABLE LIQUIDS - Category 1
- Flam. Liq. 2, H225: FLAMMABLE LIQUIDS - Category 2
- Flam. Liq. 3, H226: FLAMMABLE LIQUIDS - Category 3
- Muta. 2, H341: GERM CELL MUTAGENICITY - Category 2
- Repr. 1B, H360FD: TOXIC TO REPRODUCTION [Fertility and Unborn child] - Category 1B
- Skin Corr. 1B, H314: SKIN CORROSION/IRRITATION - Category 1B
- Skin Irrit. 2, H315: SKIN CORROSION/IRRITATION - Category 2
- Skin Sens. 1, H317: SKIN SENSITIZATION - Category 1
- STOT RE 1, H372o: SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): ORAL [stomach] - Category 1
- STOT SE 1, H370i: SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [lungs] - Category 1
- STOT SE 1, H370o: SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): ORAL [stomach] - Category 1
- STOT SE 1, H370s: SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): SKIN [skin] - Category 1
- STOT SE 3, H336i: SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [Narcotic effects] - Category 3

Full text of abbreviated R phrases

- R11- Highly flammable.
- R10- Flammable.
- R68- Possible risk of irreversible effects.
- R60- May impair fertility.
- R61- May cause harm to the unborn child.
- R23/24/25- Also toxic by inhalation, in contact with skin and if swallowed.
- R39/23/24/25- Also toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- R48/25- Also toxic: danger of serious damage to health by prolonged exposure if swallowed.
- R20- Also harmful by inhalation.
- R20/21- Also harmful by inhalation and in contact with skin.
- R34- Causes burns.
- R36- Irritating to eyes.
- R38- Irritating to skin.
- R43- May cause sensitisation by skin contact.
- R66- Repeated exposure may cause skin dryness or cracking.
- R67- Vapours may cause drowsiness and dizziness.
- R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD]

- F - Highly flammable
- Muta. Cat. 3 - Mutagen category 3
- Repr. Cat. 2 - Toxic to reproduction category 2
- T - Toxic
- C - Corrosive
- Xn - Harmful
- Xi - Irritant
- N - Dangerous for the environment

History
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SECTION 16: Other information

**Notice to reader**

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.