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

1.1. Product identifier
Ceramic-Polymer NK C5-1 Part B

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

Use of the substance/mixture
Colour
No data available

Uses advised against
No data available

1.3. Details of the supplier of the safety data sheet

Chesterton International GmbH
Am Lenzenfleck 23
DE-85737 Ismaning GERMANY
+49 89 99 65 46 - 0 Telephone: +49 89 99 65 46 - 50
+49 89 99 65 46 - 50 Telefax: +49 89 99 65 46 - 50
eu-sds@chesterton.com e-mail: eu-sds@chesterton.com
www.chesterton.com Internet: eu-sds@chesterton.com

1.4. Emergency telephone number:
+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Flammable liquid: Flam. Liq. 3
Aspiration hazard: Asp. Tox. 1
Skin corrosion/irritation: Skin Irrit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Specific target organ toxicity - single exposure: STOT SE 3
Hazardous to the aquatic environment: Aquatic Chronic 2
Hazard Statements:
Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008
Safety Data Sheet

according to Regulation (EC) No 1907/2006

Ceramic-Polymer NK C5-1 Part B

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Hazard components for labelling
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified
n-Butanol; Butan-1-ol
Xylene

Signal word: Danger

Pictograms:
- Flammable liquid and vapour
- Harmful if inhaled
- Causes skin irritation
- Causes serious eye damage
- May cause respiratory irritation
- May cause drowsiness or dizziness
- May be fatal if swallowed and enters airways
- Toxic to aquatic life with long lasting effects

Hazard statements
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P331 Do NOT induce vomiting.
P391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-95-6</td>
<td>Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified</td>
<td>25-199-0</td>
<td>649-356-00-4</td>
<td>01-2119466773-24</td>
<td>25 - &lt; 50 %</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>215-535-7</td>
<td>601-022-00-9</td>
<td></td>
<td>10 - &lt; 15 %</td>
</tr>
</tbody>
</table>

**GHS Classification**
- Flam. Liq. 3, Skin Irrit. 2, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H335 H336 H304 H411 EUH066
- Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315
- Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H302 H315 H318 H335 H336

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**
- Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**
- Remove casualty to fresh air and keep warm and at rest.
- If unconscious place in recovery position and seek medical advice.

**After contact with skin**
- After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.
- Do not wash with: Solvents/Thinner

**After contact with eyes**
- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion**
- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
- Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed
- Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

#### 4.3. Indication of any immediate medical attention and special treatment needed
- First Aid, decontamination, treatment of symptoms.
SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
- Dry extinguishing powder. Carbon dioxide (CO2). alcohol resistant foam. Water spray jet

Unsuitable extinguishing media
- Full water jet

5.2. Special hazards arising from the substance or mixture

- Carbon monoxide
- Carbon dioxide (CO2)
- Nitrogen oxides (NOx)

5.3. Advice for firefighters

Special protective equipment for firefighters
- Protective clothing. In case of fire: Wear self-contained breathing apparatus.

Additional information
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- See protective measures under point 7 and 8.
- Provide adequate ventilation.
- Personal protection equipment: see section 8

6.2. Environmental precautions

- Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

- See protective measures under point 7 and 8.
- Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
- See section 8. Wear personal protection equipment (refer to section 8). Keep container tightly closed.

Advice on protection against fire and explosion
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
- Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

Hints on joint storage
- Keep away from:
Further information on storage conditions
Keep away from:
Frost
Heat
Humidity

7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>71-36-3</td>
<td>Butan-1-ol</td>
<td>50</td>
<td>154</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene: mixed isomers</td>
<td>50</td>
<td>220</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td>441</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

Biological Monitoring Guidance Values (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Parameter</th>
<th>Value</th>
<th>Test material</th>
<th>Sampling time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylene, α-, m-, p- or mixed isomers</td>
<td>methyl hippuric acid (creatinine)</td>
<td>650 mmol/mol</td>
<td>urine</td>
<td>Post shift</td>
</tr>
</tbody>
</table>
### DNEL/DMEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-95-6</td>
<td>Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified</td>
<td>inhalation</td>
<td>systemic</td>
<td>1286.4 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>837.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>1066.67 mg/m³</td>
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<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>1152 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>178.57 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>640 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>65.3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>221 mg/m³</td>
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<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>212 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>260 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>260 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>125 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>12.5 mg/kg bw/day</td>
</tr>
<tr>
<td>71-36-3</td>
<td>n-Butanol; Butan-1-ol</td>
<td>inhalation</td>
<td>local</td>
<td>310 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>55,357 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>155 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>3,125 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>1,562 mg/kg bw/day</td>
</tr>
</tbody>
</table>
PNEC values

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No</th>
<th>Freshwater</th>
<th>Freshwater (intermittent releases)</th>
<th>Marine water</th>
<th>Marine sediment</th>
<th>Freshwater sediment</th>
<th>Marine sediment</th>
<th>Micro-organisms in sewage treatment plants (STP)</th>
<th>Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>0.327 mg/l</td>
<td>0.327 mg/l</td>
<td>0.327 mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.31 mg/kg</td>
</tr>
<tr>
<td>n-Butanol; Butan-1-ol</td>
<td>71-36-3</td>
<td>0.082 mg/l</td>
<td>2.25 mg/l</td>
<td>0.008 mg/l</td>
<td>0.032 mg/kg</td>
<td>0.324 mg/kg</td>
<td></td>
<td>2476 mg/l</td>
<td>0.017 mg/kg</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls
- Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures
- Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.
- When using do not eat, drink, smoke, sniff.

Eye/face protection
- goggles

Hand protection
- Tested protective gloves must be worn: EN ISO 374
  NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)
  Wearing time with permanent contact: Thickness of the glove material: >= 0.4 mm, Breakthrough time (maximum wearing time): >480 min
  Wearing time with occasional contact (splashes): Thickness of the glove material: >= 0.1 mm, Breakthrough time (maximum wearing time) > 30 min
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Breakthrough times and swelling properties of the material must be taken into consideration.
Protective clothing

Skin protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Combination filtering device (EN 14387) ABEK-P2
Self-contained respirator (breathing apparatus) (DIN EN 133)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: various
Odour: characteristic
pH-Value: No data available

Changes in the physical state

Melting point: No data available
Initial boiling point and boiling range: 137 - 143 °C
Sublimation point: No data available
Softening point: No data available
Pour point: No data available
Flash point: 30 °C

Flammability

Solid: No data available
Gas: No data available

Explosive properties

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Lower explosion limits: 0,7 vol. %
Upper explosion limits: 7,5 vol. %
Ignition temperature: 340 °C

Auto-ignition temperature

Solid: No data available
Gas: No data available

Decomposition temperature: No data available

Oxidizing properties

Not oxidising.

Vapour pressure: 6,7 - 8,2 hPa
(at 20 °C)
Density (at 20 °C): 0,928 g/cm³
Ceramic-Polymer NK C5-1 Part B

Revision date: 03.04.2020

Water solubility: Immiscible

9.2. Other information

Solubility in other solvents
No information available.

Partition coefficient: not determined

Viscosity / dynamic:
7 mPa·s
(at 20 °C)

Vapour density: not determined

Evaporation rate: not determined

Solvent content: 63,5

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability
The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5. Incompatible materials
No information available.

10.6. Hazardous decomposition products
No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.
# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Ceramic-Polymer NK C5-1 Part B

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-95-6</td>
<td>Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>&gt; 5000</td>
<td>Rat</td>
<td>Study report (1986)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>&gt; 2000</td>
<td>Rabbit</td>
<td>Study report (1986)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation (4 h)</td>
<td>LC50 mg/l</td>
<td>&gt; 4.96</td>
<td>Rat</td>
<td>Study report (1992)</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>3523</td>
<td>Rat</td>
<td>Study report (1986)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>12126</td>
<td>Rabbit</td>
<td>Publication (1962)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation (4 h)</td>
<td>LC50 mg/l</td>
<td>6700 mg/l</td>
<td>Rat</td>
<td>Toxicol Appl Pharmacol 33:543-558. (1975)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation aerosol</td>
<td>ATE</td>
<td>1.5 mg/l</td>
<td>Rat</td>
<td>EU Method B.2</td>
</tr>
<tr>
<td>71-36-3</td>
<td>n-Butanol; Butan-1-ol</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>ca. 2292</td>
<td>Rat</td>
<td>Study report (1967)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>ca. 3430</td>
<td>Rabbit</td>
<td>Study report (1951)</td>
</tr>
</tbody>
</table>

### Irritation and corrosivity
- Causes skin irritation.
- Causes serious eye damage.

### Sensitising effects
- Based on available data, the classification criteria are not met.

### Carcinogenic/mutagenic/toxic effects for reproduction
- Based on available data, the classification criteria are not met.

### STOT-single exposure
- May cause respiratory irritation. (Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified)
- May cause drowsiness or dizziness. (Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified)

### STOT-repeated exposure
- Based on available data, the classification criteria are not met.

### Aspiration hazard
- May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information
### 12.1. Toxicity

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-95-6</td>
<td>Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified</td>
<td>Acute algae toxicity</td>
<td>ErC50 3,1 mg/l</td>
<td>72 h</td>
<td>Pseudokirchneriella subcapitata</td>
<td>Study report (1995)</td>
<td>OECD Guideline 201</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50 4,5 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>Study report (1995)</td>
<td>OECD Guideline 202</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish toxicity</td>
<td>NOEC 2,6 mg/l</td>
<td>21 d</td>
<td>Daphnia magna</td>
<td>Study report (1999)</td>
<td>other: OECD Guideline 211</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>Crustacea toxicity</td>
<td>NOEC 2,6 mg/l</td>
<td>21 d</td>
<td>Daphnia magna</td>
<td>Study report (1999)</td>
<td>OECD Guideline 211</td>
</tr>
<tr>
<td>71-36-3</td>
<td>n-Butanol; Butan-1-ol</td>
<td>Acute algae toxicity</td>
<td>ErC50 4,9 mg/l</td>
<td>72 h</td>
<td>Pseudokirchneriella subcapitata</td>
<td>Ecotoxicology and Environmental Safety</td>
<td>OECD Guideline 201</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50 &gt; 3,4 mg/l</td>
<td>48 h</td>
<td>Ceriodaphnia dubia</td>
<td>Ecotoxicology and Environmental Safety</td>
<td>other: US EPA 600/4-91-003</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish toxicity</td>
<td>NOEC &gt; 1,3 mg/l</td>
<td>56 d</td>
<td>Oncorhynchus mykiss</td>
<td>Appl. Sci. Branch, Eng. Res. Cent. Denver</td>
<td>Fish were exposed in artificial streams</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crustacea toxicity</td>
<td>NOEC 1,17 mg/l</td>
<td>7 d</td>
<td>Ceriodaphnia dubia</td>
<td>Ecotoxicology and Environmental Safety</td>
<td>other: US EPA 600/4-91-003</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute bacteria toxicity</td>
<td>(&gt; 175 mg/l)</td>
<td>0,5 h</td>
<td>Activated sludge</td>
<td>Research Journal WPCF 60(10) 1850-1856</td>
<td>OECD Guideline 209</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

No information available.

**12.3. Bioaccumulative potential**
Safety Data Sheet

according to Regulation (EC) No 1907/2006

Ceramic-Polymer NK C5-1 Part B

Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
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<td>xylene</td>
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<td>71-36-3</td>
<td>n-Butanol; Butan-1-ol</td>
<td>10</td>
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</tbody>
</table>

BCF

<table>
<thead>
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<th>CAS No</th>
<th>Chemical name</th>
<th>BCF</th>
<th>Species</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>&gt; 5,5 - &lt; 12,2</td>
<td>Oncorhynchus mykiss</td>
<td>Appl. Sci. Branch, E</td>
</tr>
<tr>
<td>71-36-3</td>
<td>n-Butanol; Butan-1-ol</td>
<td>3.16</td>
<td>QSAR (2017)</td>
<td></td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations
Dispose of waste according to applicable legislation.

Contaminated packaging
Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Classification code: F1
Special Provisions: 274 601
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Classification code: F1
Special Provisions: 274 601
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)
14.1. UN number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Special Provisions: 223, 274, 955
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-E, S-E

Air transport (ICAO-TI/IATA-DGR)
14.1. UN number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Special Provisions: A3
Limited quantity Passenger: 10 L
Passenger LQ: Y344
Excepted quantity: E1
IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: yes
Danger releasing substance: Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No information available.
SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC): 63,5

National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the ‘juvenile work protection guideline’ (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified
xylene
n-Butanol; Butan-1-ol

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50% 
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
Safety Data Sheet

according to Regulation (EC) No 1907/2006

Ceramic-Polymer NK C5-1 Part B

Revision date: 03.04.2020

ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 3; H226</td>
<td>On basis of test data</td>
</tr>
<tr>
<td>Asp. Tox. 1; H304</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin Irrit. 2; H315</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Eye Dam. 1; H318</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT SE 3; H335</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT SE 3; H336</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Aquatic Chronic 2; H411</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Relevant H and EUH statements (number and full text)

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.)