SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Contractors 200MP

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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>Registration number REACH</th>
<th>Product type REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractors 200MP</td>
<td>Not applicable (mixture)</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

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

1.2.1 Relevant identified uses

Sealant

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

SOUDAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
☎ +32 14 42 42 31
☎ +32 14 42 65 14
msds@soudal.com

Manufacturer of the product

SOUDAL N.V.
Everdongenlaan 18-20
B-2300 Turnhout
☎ +32 14 42 42 31
☎ +32 14 42 65 14
msds@soudal.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.2. Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Supplemental information

EUH208 Contains: 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

2.3. Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>REACH Registration No</th>
<th>CAS No EC No</th>
<th>Conc. (C)</th>
<th>Classification according to CLP</th>
<th>Note</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>triacetoxethylsilane</td>
<td>D1-2119881778-15</td>
<td>17689-77-9 241-677-4</td>
<td>&lt;4 %</td>
<td>Acute Tox. 4; H302 Skin Corr. 1B; H314</td>
<td>(1)(10) Constituent</td>
<td></td>
</tr>
<tr>
<td>hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, ≤0.03% aromatics</td>
<td>D1-2119827000-58</td>
<td>15%&lt;C&lt;25%</td>
<td>Asp. Tox. 1; H304</td>
<td>(1)(10) Constituent</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) For H-statements in full: see heading 16
(10) Subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)
Technische Schoolstraat 43 A, B-2440 Geel
http://www.big.be
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Publication date: 2007-01-23
Date of revision: 2015-10-09

Reason for revision: 2;3
Revision number: 0400

Product number: 44799

134-15960-474-en
SECTION 4: First aid measures

4.1. Description of first aid measures

General:
If you feel unwell, seek medical advice.

After inhalation:
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:
Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

After eye contact:
Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:
Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

4.2.1 Acute symptoms

After inhalation:
No effects known.

After skin contact:
Not irritating. ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

After eye contact:
Not irritating.

After ingestion:
No effects known.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:
Polyvalent foam. Dry chemical powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:
No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

Upon combustion: formation of CO, CO2 and small quantities of hydrogen chloride, sulphur oxides.

5.3. Advice for firefighters

5.3.1 Instructions:
No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

6.1.1 Protective equipment for non-emergency personnel
See heading 8.2

6.1.2 Protective equipment for emergency responders
Gloves. Protective clothing.
Suitable protective clothing
See heading 8.2

6.2. Environmental precautions

Contain leaking substance. Use appropriate containment to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

Cover the solid spill with sand/kieselguhr. Scoop solid spill into closing containers. Clean contaminated surfaces with a soap solution. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.
**SECTION 7: Handling and storage**

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed.

### 7.2. Conditions for safe storage, including any incompatibilities

#### 7.2.1 Safe storage requirements:

Store in a dry area. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).

#### 7.2.2 Keep away from:

Heat sources, oxidizing agents.

#### 7.2.3 Suitable packaging material:

Plastics.

#### 7.2.4 Non suitable packaging material:

No data available

### 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

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**SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### 8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

<table>
<thead>
<tr>
<th>Country</th>
<th>Exposure Limit Value</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Netherlands</td>
<td>Olienevel (minerale olie)</td>
<td>Time-weighted average exposure limit 8 h</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Belgium</td>
<td>Huiles minérales (bruits)</td>
<td>Time-weighted average exposure limit 8 h</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Short time value</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

If applicable and available it will be listed below.

<table>
<thead>
<tr>
<th>Sampling Method</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil Mist (Mineral)</td>
<td>NIOSH 5026</td>
<td></td>
</tr>
</tbody>
</table>

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

**DNEL/DMEL - Workers**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect level</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>triacetoxyethylsilane</td>
<td>Acute local effects inhalation</td>
<td>DNEL</td>
<td>32.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Long-term local effects inhalation</td>
<td>DNEL</td>
<td>32.5 mg/m³</td>
</tr>
</tbody>
</table>

**DNEL/DMEL - General population**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect level</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>triacetoxyethylsilane</td>
<td>Long-term local effects inhalation</td>
<td>DNEL</td>
<td>6.5 mg/m³</td>
</tr>
</tbody>
</table>

**PNEC**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Compartments</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fresh water</td>
<td>0.2 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td>0.02 mg/l</td>
</tr>
<tr>
<td></td>
<td>Aqua (intermittent releases)</td>
<td>1.7 mg/l</td>
</tr>
<tr>
<td></td>
<td>STP</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>0.74 mg/kg sediment dw</td>
</tr>
<tr>
<td></td>
<td>Marine water sediment</td>
<td>0.074 mg/kg sediment dw</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>0.031 mg/kg soil dw</td>
</tr>
</tbody>
</table>

#### 8.1.5 Control banding

If applicable and available it will be listed below.

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**8.2. Exposure controls**

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

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Reason for revision: 2;3
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Date of revision: 2015-10-09
Revision number: 0400
Product number: 44799
Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:
Wear gas mask with filter type A if conc. in air > exposure limit.
b) Hand protection:
Gloves.
c) Eye protection:
Safety glasses.
d) Skin protection:
Protective clothing.

8.2.3 Environmental exposure controls:
See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical form</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>Vinegar odour</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Colour</td>
<td>Variable in colour, depending on the composition</td>
</tr>
<tr>
<td>Particle size</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not easily combustible</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not applicable (mixture)</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water; insoluble</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.03 ; 20 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No chemical group associated with explosive properties</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No chemical group associated with oxidising properties</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

Absolute density 1030 kg/m³; 20 °C

SECTION 10: Stability and reactivity

10.1. Reactivity
Temperature above flashpoint: higher fire/explosion hazard. No data available.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Keep away from naked flames/heat.

10.5. Incompatible materials
Oxidizing agents.

10.6. Hazardous decomposition products
Upon combustion: formation of CO, CO₂ and small quantities of hydrogen chloride, sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

Reason for revision: 2;3

Publication date: 2007-01-23
Date of revision: 2015-10-09

Revision number: 0400
Product number: 44799

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Contractors 200MP

No (test)data on the mixture available

triacetoxyethylsilane

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Value determination</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>OECD 401</td>
<td>1460 mg/kg bw</td>
<td>Rat (male/female)</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Value determination</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>Equivalent to OECD 401</td>
<td>&gt; 5000 mg/kg bw</td>
<td>Rat (male/female)</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>Equivalent to OECD 402</td>
<td>&gt; 3160 mg/kg bw</td>
<td>24 h</td>
<td>Rabbit (male/female)</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Inhalation (aerosol)</td>
<td>LC50</td>
<td>Equivalent to OECD 403</td>
<td>&gt; 5266 mg/m³ air</td>
<td>4 h</td>
<td>Rat (male/female)</td>
<td>Experimental value</td>
<td></td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

Conclusion
Not classified for acute toxicity

Corrosion/irritation

Contractors 200MP

No (test)data on the mixture available

triacetoxyethylsilane

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Time point</th>
<th>Species</th>
<th>Value determination</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Not irritating</td>
<td>OECD 405</td>
<td>24 h</td>
<td>1; 24; 48; 72; 168 hours</td>
<td>Rabbit</td>
<td>Data waiving</td>
<td>Literature study</td>
</tr>
<tr>
<td>Skin</td>
<td>Corrosive</td>
<td>Equivalent to OECD 404</td>
<td>3 minutes</td>
<td>24; 48, 72 hours</td>
<td>Rabbit</td>
<td>Experimental value</td>
<td>Literature study</td>
</tr>
<tr>
<td>Skin</td>
<td>Not irritating</td>
<td>OECD 404</td>
<td>4 h</td>
<td>1; 24; 48; 72 hrs; 7; 14 days</td>
<td>Rabbit</td>
<td>Literature study</td>
<td></td>
</tr>
</tbody>
</table>

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Time point</th>
<th>Species</th>
<th>Value determination</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Not irritating</td>
<td>OECD 405</td>
<td>24 h</td>
<td>24; 48, 72 hours</td>
<td>Rabbit</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td>Not irritating</td>
<td>OECD 404</td>
<td>4 h</td>
<td>24; 48, 72 hours</td>
<td>Rabbit</td>
<td>Experimental value</td>
<td></td>
</tr>
</tbody>
</table>

In the light of practical experience, the classification for this mixture is less stringent than the one based on the calculation set out

Conclusion
Not classified as irritating to the skin
Not classified as irritating to the eyes
Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

Contractors 200MP

No (test)data on the mixture available

triacetoxyethylsilane

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Observation time point</th>
<th>Species</th>
<th>Value determination</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Negative</td>
<td>OECD 406</td>
<td>6 h</td>
<td>24; 48 hours</td>
<td>Guinea pig (female)</td>
<td>Experimental value</td>
<td></td>
</tr>
</tbody>
</table>

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Observation time point</th>
<th>Species</th>
<th>Value determination</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Not sensitizing</td>
<td>Equivalent to OECD 406</td>
<td>24; 48 hours</td>
<td>Guinea pig (female)</td>
<td>Read-across</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

Conclusion
Not classified as sensitizing for skin
Not classified as sensitizing for inhalation

Specific target organ toxicity

Contractors 200MP

No (test)data on the mixture available

Reason for revision: 2;3

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Date of revision: 2015-10-09

Revision number: 0400

Product number: 44799
<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Organ</th>
<th>Effect</th>
<th>Exposure time</th>
<th>Species</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral (stomach tube)</td>
<td>Subacute toxicity test</td>
<td>General</td>
<td>Reduced body weight and food consumption; CNS effects; signs of necropsy</td>
<td>7 day(s)</td>
<td>Rat (male/female)</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Data waiving</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Data waiving</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Organ</th>
<th>Effect</th>
<th>Exposure time</th>
<th>Species</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>NOAEL</td>
<td>Equivalent to OECD 408</td>
<td>&gt; 5000 mg/kg bw/day</td>
<td>No effect</td>
<td>13 weeks (daily)</td>
<td>Rat (male/female)</td>
<td>Read-across</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>NOAEL</td>
<td>Equivalent to OECD 411</td>
<td>&gt; 495 mg/kg/d</td>
<td>No effect</td>
<td>13 weeks (daily, 5 days/week)</td>
<td>Rat (male/female)</td>
<td>Read-across</td>
<td></td>
</tr>
<tr>
<td>Inhalation (vapours)</td>
<td>NOAEC</td>
<td>Equivalent to OECD 413</td>
<td>10186 mg/m³ air</td>
<td>No effect</td>
<td>13 weeks (6h/day, 5 days/week)</td>
<td>Rat (male/female)</td>
<td>Read-across</td>
<td></td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

**Conclusions**

Not classified for subchronic toxicity

**Mutagenicity (in vitro)**

**Contractors 200MP**

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Test substrate</th>
<th>Effect</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative with metabolic activation, negative without metabolic activation</td>
<td>Equivalent to OECD 471</td>
<td>Escherichia coli</td>
<td>No effect</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Negative with metabolic activation, negative without metabolic activation</td>
<td>Equivalent to OECD 471</td>
<td>Bacteria (S.typhimurium)</td>
<td>No effect</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Test substrate</th>
<th>Effect</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative with metabolic activation, negative without metabolic activation</td>
<td>Equivalent to OECD 471</td>
<td>Bacteria (S.typhimurium)</td>
<td></td>
<td>Experimental value</td>
</tr>
<tr>
<td>Negative with metabolic activation, negative without metabolic activation</td>
<td>Equivalent to OECD 476</td>
<td>Mouse (lymphoma L5178Y cells)</td>
<td></td>
<td>Read-across</td>
</tr>
<tr>
<td>Negative with metabolic activation, negative without metabolic activation</td>
<td>Equivalent to OECD 473</td>
<td>Chinese hamster ovary (CHO)</td>
<td></td>
<td>Read-across</td>
</tr>
</tbody>
</table>

**Mutagenicity (in vivo)**

**Contractors 200MP**

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Test substrate</th>
<th>Organ</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>Mouse (male)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Test substrate</th>
<th>Organ</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>Equivalent to OECD 483</td>
<td>8 weeks (6h/day, 5 days/week)</td>
<td>Mouse (male)</td>
<td>Male reproductive organ</td>
<td>Read-across</td>
</tr>
<tr>
<td>Negative</td>
<td>Equivalent to OECD 475</td>
<td></td>
<td>Rat (male/female)</td>
<td>Bone marrow</td>
<td>Read-across</td>
</tr>
<tr>
<td>Negative</td>
<td>Equivalent to OECD 474</td>
<td>24, 48, 72 h</td>
<td>Mouse (male/female)</td>
<td>Bone marrow</td>
<td>Read-across</td>
</tr>
</tbody>
</table>

**Carcinogenicity**

**Contractors 200MP**

No (test)data on the mixture available

**Reproductive toxicity**

**Contractors 200MP**

Reason for revision: 2;3

Publication date: 2007-01-23
Date of revision: 2015-10-09

Revision number: 0400

Product number: 44799
### Contractors 200MP

**Developmental toxicity**
- NOAEL Other ≥ 1600 mg/kg bw/day 17 day(s) Mouse No effect Experimental value
- NOAEL Other ≥ 1000 mg/kg bw/day 5 day(s) Mouse No effect Experimental value

**Maternal toxicity**
- NOAEL Other ≥ 1600 mg/kg bw/day 17 day(s) Mouse No effect Experimental value
- NOAEL Other ≥ 1000 mg/kg bw/day 5 day(s) Mouse No effect Experimental value

**Effects on fertility**
- NOAEL Other 50 mg/kg bw/day 17 day(s) Mouse No effect Experimental value
- NOAEL Other ≥ 2500 mg/kg bw/day 17 day(s) Mouse No effect Experimental value

**Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics**

**Developmental toxicity**
- NOAEL OECD 414 > 1000 mg/kg bw/day 10 day(s) Rat (female) No effect Experimental value

**Maternal toxicity**
- NOAEL OECD 414 > 1000 mg/kg bw/day 10 day(s) Rat (female) No effect Experimental value

**Effects on fertility**
- NOAEL (P) Equivalent to OECD 422 > 1000 mg/kg bw/day Rat (male/female) No effect Read-across

Judgement is based on the relevant ingredients.

**Conclusion CMR**
- Not classified for carcinogenicity
- Not classified for mutagenic or genotoxic toxicity
- Not classified for reprotoxic or developmental toxicity

**Toxicity other effects**
- **Contractors 200MP**
  - No (test)data on the mixture available

**Chronic effects from short and long-term exposure**
- **Contractors 200MP**
  - ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Skin rash/inflammation.

### SECTION 12: Ecological information

**12.1. Toxicity**
- **Contractors 200MP**
  - No (test)data on the mixture available
### Contractors 200MP

**triacetoxyethylsilane**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Species</th>
<th>Test design</th>
<th>Fresh/salt water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity fishes</td>
<td>LC50</td>
<td>OECD 203</td>
<td>251 mg/l</td>
<td>96 h</td>
<td>Brachydanio rerio</td>
<td>Semi-static system</td>
<td>Fresh water</td>
</tr>
<tr>
<td>Acute toxicity invertebrates</td>
<td>EC50</td>
<td>OECD 202</td>
<td>62 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>Static system</td>
<td>Fresh water</td>
</tr>
<tr>
<td>NOEC</td>
<td>OECD 202</td>
<td>43 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Experimental value; GLP</td>
</tr>
<tr>
<td>EC50</td>
<td>EU Method C.2</td>
<td>168.7 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Read-across; GLP</td>
</tr>
<tr>
<td>Toxicity algae and other aquatic plants</td>
<td>EC50</td>
<td>OECD 201</td>
<td>76 mg/l</td>
<td>72 h</td>
<td>Scenedesmus subspicatus</td>
<td>Static system</td>
<td>Fresh water</td>
</tr>
<tr>
<td>EC50</td>
<td>OECD 201</td>
<td>73 mg/l</td>
<td>72 h</td>
<td>Scenedesmus subspicatus</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Experimental value; Growth rate</td>
</tr>
<tr>
<td>EC50</td>
<td>OECD 201</td>
<td>24.41 mg/l</td>
<td>72 h</td>
<td>Pseudokirchneriella subcapitata</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Experimental value</td>
</tr>
<tr>
<td>NOEC</td>
<td>EPA 67014-73-0</td>
<td>≤ 100 mg/l</td>
<td>21 day(s)</td>
<td>Daphnia magna</td>
<td>Semi-static system</td>
<td>Fresh water</td>
<td>Read-across; GLP</td>
</tr>
<tr>
<td>Toxicity aquatic micro-organisms</td>
<td>EC50</td>
<td>OECD 209</td>
<td>&gt; 100 mg/l</td>
<td>3 h</td>
<td>Activated sludge</td>
<td>Static system</td>
<td>Fresh water</td>
</tr>
<tr>
<td>NOEC</td>
<td>OECD 301C</td>
<td>100 mg/l</td>
<td>28 h</td>
<td>Activated sludge</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Read-across</td>
</tr>
<tr>
<td>Toxicity soil macro-organisms</td>
<td>LC50</td>
<td>Other</td>
<td>&gt; 1000 mg/kg soil dw</td>
<td>14 day(s)</td>
<td>Eisenia fetida</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>NOEC</td>
<td>Other</td>
<td>≥ 1000 mg/kg soil dw</td>
<td>14 day(s)</td>
<td>Eisenia fetida</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Species</th>
<th>Test design</th>
<th>Fresh/salt water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity fishes</td>
<td>LC50</td>
<td>Equivalent to OECD 203</td>
<td>&gt; 1028 mg/l</td>
<td>96 h</td>
<td>Scophthalmus maximus</td>
<td>Semi-static system</td>
<td>Salt water</td>
</tr>
<tr>
<td>Acute toxicity invertebrates</td>
<td>LCS0</td>
<td>ISO 14669</td>
<td>&gt; 3193 mg/l</td>
<td>48 h</td>
<td>Acartia tonsa</td>
<td>Static system</td>
<td>Salt water</td>
</tr>
<tr>
<td>Toxicity algae and other aquatic plants</td>
<td>EC50</td>
<td>ISO 10253</td>
<td>&gt; 10000 mg/l</td>
<td>72 h</td>
<td>Skeletonema costatum</td>
<td>Static system</td>
<td>Salt water</td>
</tr>
<tr>
<td>Long-term toxicity fish</td>
<td>NOEL</td>
<td></td>
<td>&gt; 1000 mg/l</td>
<td>28 day(s)</td>
<td>Oncorhynchus mykiss</td>
<td>Static system</td>
<td>Fresh water</td>
</tr>
<tr>
<td>Long-term toxicity aquatic invertebrates</td>
<td>NOEL</td>
<td>US EPA</td>
<td>&gt; 100 mg/l</td>
<td>8 day(s)</td>
<td>Ceriodaphnia dubia</td>
<td>Semi-static system</td>
<td>Fresh water</td>
</tr>
<tr>
<td>Toxicity aquatic micro-organisms</td>
<td>EC50</td>
<td>OECD 209</td>
<td>&gt; 100 mg/l</td>
<td>3 h</td>
<td>Activated sludge</td>
<td>Static system</td>
<td>Fresh water</td>
</tr>
</tbody>
</table>

**Judgement of the mixture is based on the relevant ingredients**

**Conclusion**

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

### 12.2. Persistence and degradability

**triacetoxyethylsilane**

**Biodegradation water**

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU Method C.4</td>
<td>74 %; GLP</td>
<td>21 day(s)</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

**Half-life water (1/1/2 water)**

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>OECD 111: Hydrolysis as a function of pH</td>
<td>&lt; 0.2 minutes</td>
<td>Primary degradation/mineralisation</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

**Biodegradation water**

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>OECD 306: Biodegradability in Seawater</td>
<td>74 %; GLP</td>
<td>28 day(s)</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

**Conclusion**

Contains non readily biodegradable component(s)

### 12.3. Bioaccumulative potential

**Contractors 200MP**

**Log Kow**

<table>
<thead>
<tr>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
</table>

**Reason for revision:** 2;3  
**Publication date:** 2007-01-23  
**Date of revision:** 2015-10-09  
**Revision number:** 0400  
**Product number:** 44799
**Contractors 200MP**

**triacetoxyethylsilane**

**Log Kow**

<table>
<thead>
<tr>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOWWIN</td>
<td></td>
<td>1.9</td>
<td>20 °C</td>
<td>QSAR</td>
</tr>
</tbody>
</table>

**Log Kow**

<table>
<thead>
<tr>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Conclusion**

Contains bioaccumulative component(s)

**12.4. Mobility in soil**

**triacetoxyethylsilane**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>log Koc</td>
<td>SRC PCKOCWIN v2.0</td>
<td>1</td>
<td>Calculated value</td>
</tr>
</tbody>
</table>

**Percent distribution**

<table>
<thead>
<tr>
<th>Method</th>
<th>Fraction air</th>
<th>Fraction biota</th>
<th>Fraction sediment</th>
<th>Fraction soil</th>
<th>Fraction water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mackay level III</td>
<td>0.3 %</td>
<td>92.8 %</td>
<td>6.8 %</td>
<td>0.1 %</td>
<td></td>
<td>Calculated value</td>
</tr>
</tbody>
</table>

**Conclusion**

Contains component(s) with potential for mobility in the soil

Contains component(s) that adsorb(s) into the soil

**12.5. Results of PBT and vPvB assessment**

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

**12.6. Other adverse effects**

**Contractors 200MP**

**Global warming potential (GWP)**

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

**Ozone-depleting potential (ODP)**

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

**triacetoxyethylsilane**

**Global warming potential (GWP)**

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

**hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics**

**Global warming potential (GWP)**

Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

**SECTION 13: Disposal considerations**

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

**13.1. Waste treatment methods**

**13.1.1 Provisions relating to waste**

- 08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other waste codes may be applicable. Can be considered as non-hazardous waste according to Regulation (EU) No 1357/2014.

**13.1.2 Disposal methods**

Recycle/reuse. Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment.

**13.1.3 Packaging/Container**

- 15 01 02 (plastic packaging).

**SECTION 14: Transport information**

**Road (ADR)**

<table>
<thead>
<tr>
<th>14.1. UN number</th>
<th>Transport</th>
<th>Not subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazard identification number</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Reason for revision:** 2;3  
**Publication date:** 2007-01-23  
**Date of revision:** 2015-10-09  
**Revision number:** 0400  
**Product number:** 44799
# Contractors 200MP

## Class

- Classification code

## 14.4. Packing group

- Packing group
- Labels

## 14.5. Environmental hazards

- Environmentally hazardous substance mark: no

## 14.6. Special precautions for user

- Special provisions
- Limited quantities

### Rail (RID)

- **14.1. UN number**
  - Transport: Not subject

- **14.2. UN proper shipping name**

- **14.3. Transport hazard class(es)**
  - Class
  - Classification code

- **14.4. Packing group**
  - Packing group
  - Labels

- **14.5. Environmental hazards**
  - Environmentally hazardous substance mark: no

- **14.6. Special precautions for user**
  - Special provisions
  - Limited quantities

### Inland waterways (ADN)

- **14.1. UN number**
  - Transport: Not subject

- **14.2. UN proper shipping name**

- **14.3. Transport hazard class(es)**
  - Class
  - Classification code

- **14.4. Packing group**
  - Packing group
  - Labels

- **14.5. Environmental hazards**
  - Environmentally hazardous substance mark: no

- **14.6. Special precautions for user**
  - Special provisions
  - Limited quantities

### Sea (IMDG/IMSBC)

- **14.1. UN number**
  - Transport: Not subject

- **14.2. UN proper shipping name**

- **14.3. Transport hazard class(es)**
  - Class

- **14.4. Packing group**
  - Packing group
  - Labels

- **14.5. Environmental hazards**
  - Marine pollutant: yes
  - Environmentally hazardous substance mark: no

- **14.6. Special precautions for user**
  - Special provisions
  - Limited quantities

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

### Air (ICAO-TI/IATA-DGR)

- **14.1. UN number**
  - Transport: Not subject

- **14.2. UN proper shipping name**

- **14.3. Transport hazard class(es)**
  - Class

- **14.4. Packing group**

---

**Reason for revision:** 2;3  
**Publication date:** 2007-01-23  
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**Revision number:** 0400  
**Product number:** 44799
### Contractors 200MP

**Packing group**

- Labels

**14.5. Environmental hazards**

- Environmentally hazardous substance mark: No

**14.6. Special precautions for use**

- Special provisions: Passenger and cargo transport: limited quantities: maximum net quantity per packaging

### SECTION 15: Regulatory information

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

**European legislation:**

**VOC content Directive 2010/75/EU**

<table>
<thead>
<tr>
<th>VOC content</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 %</td>
<td></td>
</tr>
<tr>
<td>0 g/l</td>
<td></td>
</tr>
</tbody>
</table>

**REACH Annex XVII - Restriction**

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

**Designation of the substance, of the group of substances or of the mixture**

- triacetoxyethylsilane
- hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics

**Conditions of restriction**

1. Shall not be used in:
   - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
   - tricks and jokes,
   - games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
   - can be used as fuel in decorative oil lamps for supply to the general public, and,
   - present an aspiration hazard and are labelled with R65 or H304.

**4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).**

**5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:**

- a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: “Keep lamps filled with this liquid out of the reach of children”; and, by 1 December 2010, “Just a sip of lamp oil — or even sucking the wick of lamps may lead to life-threatening lung damage”;
- b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked by 1 December 2010 as follows: “Just a sip of grill lighter may lead to life-threatening lung damage”;
- c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.

#### National legislation The Netherlands

**Waste identification (the Netherlands):**

- LWCA (the Netherlands): KGA category 05
- Waterbezwaarlijkheid: 11

**National legislation Germany**

**WGK**

- 1: Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

**TA-Luft**

- 5.2.5; 1; 5.2.5

**National legislation France**

**No data available**

Reason for revision: 2;3

Publication date: 2007-01-23

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Revision number: 0400

Product number: 44799
15.2. Chemical safety assessment
No chemical safety assessment is required.

SECTION 16: Other information

Full text of any H-statements referred to under headings 2 and 3:

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances
CLP (EU-GHS) = Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.