Function
Siloxyane hydrophobing agent

Physical / Chemical properties
Please refer to our Technical Data Sheet as well as our Safety Data Sheet concerning relevant physical & chemical characteristics.

Content of Hazardous components
TEGO® Phobe 1409 contains following dangerous ingredients above 0.01% according to Regulation (EC) No. 1272/2008 [CLP] which are subject to restrictions according to Ecolabel (2014/312/EU) because of their GHS classification:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Content, %</th>
<th>Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodecamethylcyclohexasiloxane (impurity of raw material)</td>
<td>540–97–6</td>
<td>&lt;0.05</td>
<td>H226,3 Flam. Liq. H361f, 2 Repr. H413, 4 Aquatic Chronic</td>
<td>listed as SVHC</td>
</tr>
<tr>
<td>Decamethylcyclopentasiloxane (impurity of raw material)</td>
<td>541–02–6</td>
<td>&lt;0.05</td>
<td>-</td>
<td>listed as SVHC</td>
</tr>
<tr>
<td>Cyclotetrasiloxane,2,2,4,4,6,6,8,8-octamethyl-(impurity of raw material)</td>
<td>556–67–2</td>
<td>&lt;0.06</td>
<td>-</td>
<td>listed as SVHC</td>
</tr>
</tbody>
</table>

Absence of substances
We do not expect the presence of following substances within TEGO® Phobe 1409:

- Isothiazolinone compounds:
  - 2-octyl-2H-isothiazol-3-one (OIT)
- 3-iodo-2-propynyl butylcarbamate (IPBC)
- N-(3-aminopropyl)-N-dodecylpropane-1, 3-diamine
- Zinc oxide
- Alkylphenolethoxylates (APEOs) and theirs derivatives
• Long chain perfluorinated surfactants:
  - Perfluorocarboxylic acids
  - Perfluoroalkyl sulfonates
• Metals and their compounds:
  - Cadmium, lead, chromium VI, mercury, arsenic, barium, selenium, antimony and cobalt
• Crystalline silica and leucophyllite minerals containing crystalline silica
• Phthalates:
  - DEHP (Bis–(2-ethylhexyl)–phthalate)
  - BBP (Butylbenzylphthalate)
  - DBP (Dibutylphthalate)
  - DMEP (Bis2–methoxyethyl) phthalate
  - DIBP (Diisobutylphthalate)
  - DIHP (Di–C6–8–branched alklyphthalates)
  - DHNUP (Di–C7–11–branched alklyphthalates)
  - DHP (Di–n–hexylphthalate)
• Nanomaterials
• Volatile Aromatic Hydrocarbons
• Formaldehyde
• Halogenated solvents
• Adipic acid dihydrazide (ADH)
• Methanol

**Biocides**
Please note that TEGO® Phobe 1409 contains following biocides:

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>Amount [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-chloro–2–methyl–isothiazolin–3–one / 2–methyl–4–isothiazolin–3–one (CMI/MIT 3:1 mix)</td>
<td>55965–84–9</td>
<td>0.00130</td>
</tr>
<tr>
<td>1,2-Benzisothiazol–3(2H)–one</td>
<td>2634–33–5</td>
<td>0.01800</td>
</tr>
<tr>
<td>2–Pyridinethiol, 1–oxide, sodium salt (1:1)</td>
<td>3811–73–2</td>
<td>0.00035</td>
</tr>
</tbody>
</table>

**VOC (volatile organic compounds) – content**
Determination via DIN EN ISO 11890/2: approx. 13 g/l

**SVOC (semi volatile organic compounds) – content**
Determination via DIN EN ISO 11890/2: approx. 3.5 g/l

**REACH / SVHC**
Please refer to RDS and EU–SDS on our homepage.
The information given above are based on and represents our current compositional knowledge (based on the knowledge of the production process, supplier information for raw materials and analytical data where applicable).

Please note that Evonik Resource Efficiency GmbH does not analyse whether the mentioned substances are contained, because the content of such substances is not part of our product specification or formulation.

We use raw materials of technical purity, therefore negligible amounts on the level of natural / technical impurities cannot be excluded.

In case of provided values these are considered to be typical concentrations and are not part of the product specification.

All provided information is based on our present knowledge and experience and is true and complete to the best of our knowledge and belief. However, no warranty, whether expressed or implied, or guarantee of product properties in the legal sense is intended or implied.

In case of any questions concerning the provided information or if you need additional advice you are welcome to contact us:

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