Function
Dispersion of a hard resin for waterborne coatings and pigment concentrates

Content of Hazardous components
TEGO® VariPlus DS 50 contains the 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>Concentration, %</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conf.</td>
<td>conf.</td>
<td>approx. 0.01</td>
<td>H226,3 Flam Liq.</td>
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<td>H315, 2 Skin Irrit.</td>
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<td>H318, 1 Eye Dam.</td>
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<td>H335, 3 STOT SE</td>
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<tr>
<td></td>
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<td>H336, 2 STOT SE</td>
</tr>
</tbody>
</table>

Absence of substances
We do not expect the presence of following substances within TEGO® VariPlus DS 50:
- Isothiazolinone compounds:
  - 2–methyl–2H–isothiazol–3–one (MIT)
  - 2–octyl–2H–isothiazol–3–one (OIT)
- 3–iodo–2–propynyl butylcarbamate (IPBC)
- Zinc pyrithione
- N–(3–aminopropyl)–N–dodécylpropane–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 alkyphthalates)
  - DHNUP (Di-C7–11-branched alkyphthalates)
  - DHP (Di–n–hexylphthalate)
• Adipic acid dihydrazide (ADH)
• Methanol
• Volatile Aromatic Hydrocarbons
• Halogenated solvents

**Nanomaterials**
During the production of TEGO® VariPlus DS 50 we use negligible amount (< 1ppm) of fumed silica. This ingredient is not a hazardous substance according to Regulation (EC) No. 1272/2008 [CLP].

**Formaldehyde**
The formaldehyde content, determined photometricly, we would like to declare for TEGO® VariPlus DS 50 with 1.2 mg/kg.

**VOC (volatile organic compounds) – content**
Determination via DIN EN ISO 11890/2: approx. 18 g/l.

**SVOC (semi volatile organic compounds) – content**
Determination via DIN EN ISO 11890/2: approx. 50 g/l.

**REACH / SVHC**
Please refer to SDS.
The information given above is 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.