## Product Data Sheet

**Thioplast™ EPS 70**

**Epoxidized liquid Polysulfide Pre-polymer**

<table>
<thead>
<tr>
<th>Intended use</th>
<th>Formulation of flexible and corrosion-resistant coatings, adhesives and sealants</th>
</tr>
</thead>
</table>

### Description

Liquid Polysulfide Pre-polymer, end-capped by Diglycidyl-ether of Bisphenol A (DGEBA). Reactive diluent is a 1,6-Hexanediol-diglycidyl ether.

### Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity (25°C) [Pas]</td>
<td>approx. 7.5</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, amber liquid</td>
</tr>
<tr>
<td>Color</td>
<td>light yellowish</td>
</tr>
<tr>
<td>Epoxy-oxygen content [wt%]</td>
<td>approx. 5</td>
</tr>
<tr>
<td>Equivalent weight [g/equ]</td>
<td>approx. 310</td>
</tr>
</tbody>
</table>

### Application

- Thioplast EPS70 could be used in application of flexible, crack bridging and corrosion-resistant coatings for concrete and steel.
- Furthermore, Thioplast EPS70 is applied in formulations of adhesives, sealants and is being used as flexible reactive diluents for high viscos Epoxies.
- Thioplast EPS70 combines the outstanding chemical / physical properties of Thioplast G, liquid Polysulfide polymers, with the benefits of the Epoxy-chemistry.

Further advantages of Thioplast EPS70 are:

- Improve the flexibility of standard Bisphenol A, A/F and F based Epoxies
- Improve the impact and thermal shock resistance
- Excellent water and corrosion resistance
- Resistance to a variety of aggressive chemicals, fuels and other oil products.
- Thioplast EPS70 is used as additive in two-component Epoxy-systems. Curing at room and elevated temperature (max. temp. approx. 150°C/300°F)
- Typical curatives are aliphatic and cycloaliphatic amines.
- Thioplast EPS70 is chemically compatible with most of Bisphenol A, A/F, F and Novolac-Epoxies.

### Packaging

Thioplast EPS70 is available in 200 L drums or 1000L IBC.

### Storage

Thioplast EPS70 is a reactive Pre-polymer. Protection against contact with air, moisture and temperatures over 30°C/90°F during transportation and storage is needed. Containers should be firmly closed after each use.

Under appropriate storage conditions the shelf life of this product is 6 months.

### Handling

Full information on the safe handling is available in the Material Safety Data Sheet (MSDS). Further details are available upon request.

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