

## Product Data Sheet Lucosoil®

### Product description

Lucosoil is an aqueous, plasticizer-free polymer dispersion produced from the monomers Vinyl-acetate and Ethylene.

### Product properties

- Good adhesion to various surfaces
- Permanently flexible adhesive joints
- Very good properties for soil stabilization
- High cohesion

### Application

Soil stabilization

- for e.g. street stabilisation, parkings, building of landscape, ...

### Storage

When Lucosoil is stored in tanks, proper storage conditions must be maintained. If stored in the original, unopened containers at cool (below 30 °C), but frost-free temperatures Lucosoil has a shelf life of 6 months. Iron or galvanized-iron equipment and containers are not recommended because the dispersion is slightly acidic. Corrosion may result in discoloration of the dispersion or its blends when further processed. Therefore the use of containers and equipment made of ceramics, rubberized or enameled materials, appropriately finished stainless steel, or plastic (e.g. rigid PVC, polyethylene or polyester resin) is recommended.

### Preservation for Transport, Storage and further Processing

Lucosoil is adequately preserved during transportation and storage if kept in the original, unopened containers. However, if it is transferred to storage tanks, the dispersion should be protected against microbial attack by adding a suitable preservative package.

Measures should also be taken to ensure cleanliness of the tanks. In unstirred tanks, a layer of preservative-containing water should be sprayed onto the surface of the dispersion to prevent the formation of unwanted skin and possible attack by microorganisms. The thickness of this water layer should be < 5 mm for low viscosity dispersions and up to 10–20 mm for high viscosity products. Measures should be taken to ensure that only bacteria-free air enters the tank when the dispersion is removed. Finished products manufactured from polymer dispersions usually also require preservation. The type and scope of preservation will depend on the raw materials used and the anticipated sources of contamination. The compatibility with other components and the efficacy of the preservative should always be tested in the respective formulation. Preservative manufacturers will be able to advise you about the type and dosage of preservative required.

### Additional information

If Lucosoil is used in applications other than those mentioned, the choice, processing and use of Lucosoil is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

For questions concerning food contact status according to chapter 21 CFR (US FDA) and German BfR, please contact:

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D-50389 Wesseling

### Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from LUCOBIT headquarter (info@lucobit.de).

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<b>Typical Properties</b>			
<b>Specification data</b>	<b>Standard</b>	<b>Unit</b>	<b>Value</b>
Solids content	DIN EN ISO 3251	%	0.97
Viscosity, dynamic at 23 °C	DIN EN ISO 2555	mPa.s	~ 500
pH-Value	DIN/ISO 976	-	800 - 900
<b>Typical general characteristics</b>	<b>Standard</b>	<b>Unit</b>	<b>Value</b>
Minimum forming temperature	DIN ISO 2115	°C	25 - 55
Frost resistance	LUCOBIT method		protect from freezing
Protective colloid/emulsifier system	LUCOBIT method		polyvinyl alcohol
Filler and pigment compatibility	LUCOBIT method		very good
Appearance	LUCOBIT method		very good
Surface	LUCOBIT method		slightly tacky
Glass transition temperature	LUCOBIT method	°C	5 °C
These standard values are typical values and should not be regarded as specifications.			