



Luvogel® 4

Characterisation	Rheological additive, Anti-settling agent for solvent-based systems								
Delivery Form	Finely divided powder of light cream colour								
Description	Luvogel® 4 is an organically modified Bentonite (Montmorillonite).								
Technical Data	<table><tr><td>Particle Size (Sympatec Helos)</td><td>x50 approx. 15 µm</td></tr><tr><td>Bulk Density (g/ml)</td><td>0,53</td></tr><tr><td>Specific Gravity (g/ml 25 °C)</td><td>1,7</td></tr><tr><td>Moisture Content</td><td>max. 3,5 %</td></tr></table>	Particle Size (Sympatec Helos)	x50 approx. 15 µm	Bulk Density (g/ml)	0,53	Specific Gravity (g/ml 25 °C)	1,7	Moisture Content	max. 3,5 %
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Performance Features	<p>Luvogel® 4 increases the viscosity with thixotropic characteristics in paint and coating systems.</p> <p>It effectively controls the rheological and flow properties of coating systems and prevents settling of pigments and fillers.</p>								
Application	Universal grade, predominantly for low to medium polar organic systems.								
Incorporation	For optimum gelling efficiency it is recommended to use Luvogel® 4 as a pre-gel to disperse with pigments and fillers.								



	<p>Incorporation in powder form:</p> <p>Disperse in binder by using high shear equipment before adding polar solvents and wetting agents.</p> <p>Processing as a pre-gel:</p> <p>5 - 10 % concentration Luvogel® 4 in solvent/polar solvent*</p> <p>10 - 15 % concentration Luvogel® 4 in solvent/wetting agent*</p> <p>* Add wetting agents and/or polar solvents to achieve gelling only after 5 - 10 minutes dispersing time.</p> <p>It is recommended to use the following proportions of polar solvents, based on the dosage level of Luvogel® 4, to activate gelling properly:</p> <p>40 - 50 % Ethanol*</p> <p>30 - 40 % Propylene carbonate*</p> <p>50 - 60 % Acetone*</p> <p>* The solvents mixed with water (approx. 5 %) are even more effective.</p>				
Dosage	<table><tr><td>Anti-settling additive</td><td>0,2 - 0,5 %</td></tr><tr><td>Rheological additive</td><td>0,5 - 3,0 %</td></tr></table> <p>(by weight of the system)</p>	Anti-settling additive	0,2 - 0,5 %	Rheological additive	0,5 - 3,0 %
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Rheological additive	0,5 - 3,0 %				
Packaging	Paper bags of 25 kg net				

In case of questions please feel free to contact us at:

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	31002/HS	05.05
Replaces LuV-Information 23504000-2 - 02.05/31002/EMK		
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