

AERODISP® WR 8520

Aqueous dispersion of hydrophobic fumed silica

Characteristic physico-chemical data

Properties and test methods	Unit	Value
pH value		10 - 11
Density 20 °C	g/cm ³	1.13
Stabilizing agent		DMEA
Solids content based on the ignition residue of the dispersion	%	19 - 21
Mean aggregate size d-50 value	µm	
Viscosity measured at a shear rate of 100 s ⁻¹ , 23 °C	mPas	

The data represents typical values (no product specification).

Registrations (substance or product components)

AERODISP® WR 8520

CAS-No.	68611-44-9
EINECS (Europe), TSCA (USA), DSL (Canada), AICS (Australia), ENCS (Japan), IECSC (China), KECI (Korea)	All components of this dispersion are registered in the mentioned inventories.

AERODISP® WR 8520 is a special, structured, highly filled dispersion of hydrophobic AEROSIL®.

Applications and properties

Applications

In waterbased pigmented coatings or in waterbased clear coatings:

- Rheology control
- Anti-settling
- Pigment stabilization
- Improvement of mechanical properties

Recommendations for waterbased coatings

Addition: 5-10% dispersion (respect. 1-2% AEROSIL®) calculated on total coating formulation. The dispersion should be added into the coating while stirring under low or medium shear forces (e.g. dissolver)

Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL sds-im@evonik.com We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

Depending on the region, AERODISP® WR 8520 is available in 60 kg containers, 220 kg drums, 1000 kg intermediate bulk containers (IBC's). All dispersions must be protected from extreme heat and frost. The product should be used within twelve months from the date of production.

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