

TEGO® Dispers 741 W

pigment-wetting and dispersing additive

Effects

	0	1	2	3	4	5
Viscosity reduction with organic pigments/carbon blacks	■					
Color intensity/gloss with organic pigments/carbon blacks	■					
Viscosity reduction with inorganic pigments/fillers	■					
Color intensity/gloss with inorganic pigments/fillers	■					

0 = unsuitable...5 = highly suitable

Special features

Very economical, universally applicable wetting and dispersing additive. Very high color strength with organic and carbon black pigments. Based on sustainable raw material.

Suitability for

waterborne	solventborne
●	○
2-pack 100 %	radiation-curing
○	○
direct grind	resin-based pigment concentrates
○	●
resin-free pigment concentrates	universal pastes
●	○

● = suitable ... ○ = not suitable

Solubility in

water	ethanol
●	●
TPGDA	butyl acetate
○	○
white spirit	
○	

● = clear soluble, ● = cloudy but stable, ○ = insoluble

Recommended addition level

As supplied calculated on inorganic pigment: 15 - 40 %

As supplied calculated on organic pigment: 40 - 100 %

As supplied calculated on carbon black: 90 - 180 %

Processing instructions

Add to the grind before dispersion.

Formulation advices

- Combination partner for stronger reduction of viscosity with inorganic pigments: TEGO® Dispers 653
- In case of strong foam development, addition of TEGO® Foamex 8050 is recommended.
- For the production of carbon black concentrates often the addition of a small amount of amine (0.2 - 3.0%) to neutralize the partially acidic pigment surface is beneficial.
- For inorganic pigment concentrates the addition of rheology modifiers (for example fumed silica) has proven to be beneficial.
- Starting point formulations for the production of pigment concentrates are available upon request.

Chemical description

aqueous solution of a polymer with pigment affinic groups, based on a renewable resource

Technical information

- | | |
|--------------------------|--------------|
| - appearance | clear liquid |
| - active matter content | approx. 32 % |
| - solvent | water |
| - pH value (as supplied) | approx. 8.5 |

Registration status

TEGO® Dispers 741 W respectively its ingredients are listed in the following chemical inventories: ECL, EINECS, ENCS, TCSI.

Further information on regulatory topics can be found on the Regulatory Data Sheet.

All intentional ingredients are listed on the ECL inventory or comply with the Polymer Exemption criteria.

Packaging

- plastic pail 25 kg
- plastic L-ring drum 200 kg

Storage stability

When stored in an original unopened packaging between +4 and +40 °C, the product has a shelf life of at least 24 months from the date of manufacture.

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