

# TEGO® Dispers 750 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

Wets and stabilizes all types of pigment. For pigment concentrates with good compatibility, hardly affects stability.

### 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: 5.0 - 30 %  
 As supplied calculated on organic pigment: 20 - 70 %  
 As supplied calculated on carbon black: 40 - 150 %  
 Recommended addition level for co-grind: 0.5 - 2.0 %

### Processing instructions

- Add to the grind before dispersion.
- The product should not be used as the only wetting and dispersing additive in a grind based on pigment black.
- Before using uncoated stainless steel for storage and transport of the product the resistance should be checked.

### Formulation advices

- Alternative for great reduction of viscosity: TEGO® Dispers 755 W
- To achieve optimal jetness with lamp blacks the use of TEGO® Dispers 750 W in combination with TEGO® Dispers 760 W (4:1 up to 1:1 actives) is beneficial.
- In case of foam build up during pigment dispersion use a highly effective but also compatible defoamer concentrate (for example TEGO® Foamex 8050, TEGO® Foamex 810, TEGO® Foamex 830).
- 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 copolymer with groups of high pigment affinity

### Technical information

- appearance yellowish clear liquid
- active matter content approx. 40 %
- solvent water
- pH value (as supplied) approx. 6.5

### Suitability for food contact

The additives/monomers/solvents of TEGO® Dispers 750 W are listed on the A and B lists of the Swiss Ordinance 817.023.21, Annex 6.

### Registration status

TEGO® Dispers 750 W respectively its ingredients are listed in the following chemical inventories: AICS, DSL, ECL, EINECS, PICCS, TSCA, TCStI.

All intentional ingredients are listed on the DSL (Domestic Substance List) inventory or have been notified pursuant to the NSN (New Substances Notification) regulations.

All intentional ingredients are listed on the TSCA inventory or comply with the TSCA Polymer Exemption criteria according 40 CFR 723.

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.

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

### Packaging

- plastic pail 25 kg
- container 1000 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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