

TEGO® Dispers 652

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

For waterborne and solventborne formulations. Reduces millbase viscosity with inorganic pigments. Improves colorant acceptance. Solvent- and APE-free. Based on sustainable raw materials.

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 total formulation: 0.5 - 2.5 %

As supplied calculated on inorganic pigment: 0.3 - 2.0 %

Processing instructions

- Add to the grind before dispersion.
- Haziness caused by low temperatures can be eliminated by warming the product. This does not affect the performance properties of the product.

Formulation advices

- For formulating universal colorants, a combination with TEGO® Dispers 653 or TEGO® Dispers 651 is necessary.
- 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).
- Starting point formulations for the production of pigment concentrates are available upon request.

Chemical description

concentrate of a fatty acid derivative

Technical information

- appearance clear to slightly hazy liquid
- active matter content 100 %

Registration status

TEGO® Dispers 652 respectively its ingredients are listed in the following chemical inventories: AICS, DSL, EINECS, IECS, PICCS, TSCA, NZIOC.

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 PICCS inventory or comply with the Polymer Exemption criteria.

Packaging

- plastic pail 25 kg
- plastic L-ring drum 180 kg

Storage stability

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

Eventually, the product may exhibit inhomogenities. Before use it should be homogenized by heating up to 40 °C and processed in the homogeneous state.

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