

## DESCRIPTION

TEGO® Dispers 670 is a polymeric, high-performance wetting and dispersing additive for solventborne industrial and automotive applications. Suitable for all kinds of pigments. Shows outstanding viscosity reduction, especially with inorganic pigments. Shows fast pigment wetting. Creates a Newtonian flow behavior.

## KEY BENEFITS

- viscosity reduction with inorganic pigments
- fast color strength development
- newtonian flow behavior

## EFFECT

## 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



## SUITABILITY

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

● not suitable ● partly suitable ● suitable

## TYPICAL APPLICATIONS

- Pigment concentrates
- General industrial coatings
- Transportation coatings
- Inkjet Inks

## TECHNICAL DATA

|                           |   |
|---------------------------|---|
| acid value (as supplied)  | Approx 5 mg KOH/g   |
| active matter content     | approx. 40 %  |
| amine value (as supplied) | Approx 15 mg KOH/g  |
| appearance                | clear to slightly hazy liquid (product properties are not affected by haziness) |
| chemical description      | solution of a high molecular weight polymer                                     |
| solvent                   | dibasic ester, aromatic-free / methoxypropylacetate 1 : 1                       |
| viscosity at 25 °C        | Approx 120 mPas   |

## SOLUBILITY

|                 |              |
|-----------------|--------------|
| Water           | Ethanol      |
| ●               | ●            |
| TPGDA           | Butylacetate |
| ●               | ●            |
| Mineral Spirits |              |
| ●               |              |

● not soluble ● partly soluble ● soluble

## RECOMMENDED ADDITION LEVEL

As supplied calculated on inorganic pigment: 5.0 - 40.0 %  
 As supplied calculated on organic pigment: 15.0 - 40.0 %  
 As supplied calculated on carbon black: 40.0 - 90.0 %  
 Recommended addition level for co-grind: 0.5 - 3.0 %

## PROCESSING INSTRUCTIONS

Add to the grind before dispersion.

## HANDLING &amp; STORAGE

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. Turbidity may occur at temperatures below 10 °C, product becomes liquid again after warming. Product properties are not affected by this process.

## MSDS &amp; REGULATORY INFORMATION



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