AQUACER 506

Emulsion based on a HD polyethylene wax for improving the surface properties of aqueous care products and polishes.

Product Data

Composition
Non-ionic emulsion of a HD polyethylene wax

Typical Properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Non-volatile matter (130 °C):	35 %
Carrier:	Water
Melting point (wax content):	120 °C
Viscosity (Brookfield, 20 °C):	100 mPa·s
pH value (20 °C):	9

Food Contact Legal Status
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation
Temperature sensitive. To be stored and transported between 5 °C and 35 °C. Stir before use.

Applications

Care Products and Polishes

Special Features and Benefits
AQUACER 506 improves the buffability, increases filling capacity and produces an anti-slip effect. The above-mentioned properties are generated by mixing AQUACER 506 with polymers in a ratio of 3:1 (solid wax to solid polymer). A mixing ratio of 1:6 increases the water- and alcohol-resistance, the protection against heel marks (= foot traffic resistance), and the dirt-repellent action. AQUACER 506 is compatible with all known polymer dispersions and plasticizers.

Recommended Use
AQUACER 506 is recommended for polymer-rich self-shine emulsions and polishes.

Recommended Levels

5-10 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The wax additive is preferably added under agitation after mixing the polymers with the plasticizers and water, but before incorporating surface-active substances.

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