AQUACER 8058

Non-ionic wax emulsion based on a high-density polyethylene wax for improving the surface properties of aqueous care products and polishes as well as in aqueous coatings and printing inks.

Only available in North America.

Product data

Composition
Non-ionic emulsion based on an oxidized HD polyethylene wax

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

pH value (20 °C):	9
Non-volatile matter (60 min, 125 °C):	35 %
Carrier:	water
Melting point (wax content):	140 °C
Viscosity (20 °C):	< 150 mPa·s

Storage and transportation
Product shelf life in unopened original packaging: 15 months
Frost sensitive. To be stored and transported between 5 °C and 35 °C. Stir before use.

Applications

Home care and I&I

Special features and benefits
AQUACER 8058 improves the buffability, and black heel mark resistance in care products and polishes. These properties are generated by mixing AQUACER 8058 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 8058 is compatible with all known polymer dispersions and plasticizers.

Recommended use
AQUACER 8058 is recommended for 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. The optimum dosage should be determined by application-related test series.

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.

Coatings industry

Special features and benefits
The additive improves the scratch resistance in aqueous coatings, as well as the resistance to black heel marking in parquet coatings.

Recommended use
Aqueous coatings.

Recommended levels
1–6 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions
The additive should preferably be post-added using low speed agitation.

Printing inks

Special features and benefits
The additive increases the abrasion resistance in printing inks.

Recommended use
Aqueous printing inks.

Recommended levels
3–14 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions
The additive should preferably be post-added using low speed agitation.

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