AQUACER 8227

Emulsion based on EVA copolymer wax for improving the surface properties of aqueous care products. Provides anti-slip effect and good buffability.

AQUACER 8227 is only available in USA, Mexico and Canada.

Product Data

Composition
APEO-free, nonionic emulsion of an oxidized EVA copolymer wax

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

Non-volatile matter (ASTM D2834):	35 %
Carrier:	Water
Melting point (wax component):	100 °C (212 °F)
Viscosity (25 °C, Brookfield DV-I):	< 100 mPa·s
pH value (ASTM E70):	9.5

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
Keep from freezing. To be stored and transported at a temperature between 5 °C (41 °F) and 35 °C (95 °F).

Applications

Care Products and Polishes

Special Features and Benefits
AQUACER 8227 is compatible with all known polymer dispersions, resin solutions, plasticizers, film building agents and surfactants. The wax emulsion gives a strong anti-slip effect and is characterized by a good dirt-repellent effect. The above-mentioned properties are generated by mixing AQUACER 8227 with polymers in a ratio of 3:1 (solid wax to solid polymer). Mixing at a ratio of 1:6 increases the water and alcohol resistance, abrasion resistance (scuff resistance) and the protection against heel marking (foot traffic resistance).

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Recommended Use

AQUACER 8227 is used in self-shine emulsions and polishes. AQUACER 8227 is recommended for use in high speed buffing floor polishes where it is normally used together with a high density polyethylene emulsion such as AQUACER 8059. The ratio of AQUACER 8227 to AQUACER 8059 can vary from 100/0 to 50/50 depending on the degree of hardness and post high speed buffing gloss desired. As a general rule, increasing the amount of AQUACER 8059 will increase the hardness of the polish. Increasing the amount of AQUACER 8227 will optimize gloss after buffing.

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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