

Wetting Agent BR 225

BR 225 is a non-ionic surfactant of alcohol ethoxylate product type. BR 225 has a very strong hydrophilic (water soluble) character.

Specifications

Parameter	Limits	Method
Water content	29 - 31%	AB-46-1208

Chemical and Physical data

Typical values

Active content	70 %
Appearance, 20°C	clear to cloudy liquid
Clear point	+10 °C
Cloud point, 1% product in 10% NaCl	74 °C
Density, 20°C	1094 kg/m ³
Flash point	>100 °C
Pour point	-9 °C
Viscosity, 20°C	190 mPa s

Surface active characteristics

Typical values

Form height according to Ross-Miles, 50°C, 0.05%	immediately: 35 mm; after 5 min: 0 mm
HLB value	17.9
Surface tension according to Du Noüy, 25°C, DIN 53 914	0.1% solution 50 mN/m; 1.0% solution 44 mN/m
Wetting power according to Draves, 25°C, 0.1%	>600 sec

Solubility

The solubility of 5% BR 225 is as follows:

Ethanol	soluble
Isopropyl alcohol	soluble
Low aromatic solvent	insoluble
Propylene glycol	soluble
Water	soluble

pH, 1% in water 5 - 7 AB-46-1206

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White spirit insoluble

Xylene insoluble **Typical data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specifications.**

**Storage
Handling**

& BR 225 should always be homogenized before use, unless the entire quantity is used. If BR 225 is stored at temperatures below its clear point, a risk of separation occurs. Should this happen, the entire amount of BR 225

should be melted and homogenized before use. A source of heat with a temperature of more than 100°C must not be used for melting BR 225. The most suitable method is indirect heating with warm water.

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