BYK-1880

Solvent-free, silicone-containing defoamer for airless application or air-assisted airless application of solvent-borne and solvent-free systems. Especially effective against application-related microfoam.

Not available in Japan.

Product data

Composition
Modified polysiloxane copolymer

SVHC label-free (EU SDS)

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

Density (20 °C):	0.99 g/ml
Active substance:	100 %
Flash point:	93 °C

Storage and transportation
Storage and transportation between 0 °C and 50 °C. Separation possible. Stir well before use.

Special note
The cyclic siloxane content D4/D5/D6 of BYK-1880 is less than 0.1 % in each case, therefore the SVHC label is not required in the safety data sheet.

Applications

Coatings industry

Special features and benefits
BYK-1880 is a highly effective, solvent-free, and silicone-containing defoamer. The additive has been especially designed for 2-pack high-solid PUR systems that are difficult to defoam and are applied by airless or air-assisted airless spray. Furthermore, the product can also be used in conventional spray-applied systems and is widely applicable in many solvent-borne and solvent-free coatings (e.g. alkyds and 2-pack epoxy systems). The additive exhibits strong defoaming even in higher film thicknesses and is particularly effective against microfoam. The defoamer is also excellent against macrofoam. BYK-1880 shows no negative influence on film properties such as gloss, leveling, or adhesion.

Recommended use

General industrial coatings	■
Marine coatings	■
Protective coatings	■
Automotive refinish coatings	□
Floor coatings	□

■ especially recommended □ recommended

Recommended levels

0.3–1.0 % additive (as supplied) based on the total formulation, in exceptional cases up to 1.5 %.

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

Incorporation and processing instructions

For best effectiveness, the defoamer should be incorporated into the letdown of the formulation.
For sensitive systems, which tend to have surface defects, 2/3 of the amount should be added to the millbase and 1/3 to the letdown.

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