



Modified organo polysiloxane emulsion

Description

Borchers® AF 0871 is a 20 % emulsion of a modified organo polysiloxane. It is designed to destroy stabilized foam lamellae in water-based coatings and surfactant systems. It is easily dilutable with water and efficient in most polymer dispersions.

Characteristic data

Appearance:	off – white, viscous emulsion	
Solids content, %:	23.5 – 28.5	ISO 3251 – 1974 (1g, 105 °C, 3h)
pH:	6.0 – 8.0	OMG Borchers test method 100-68/3
Odour:	characteristic odour	OMG Borchers test method 100-03/03
Antifoam efficiency, ml:	foam max. 25	OMG Borchers test method 100-04/02

Properties

Borchers® AF 0871 is a highly active defoamer which blocks and reduces the foam formation especially in the dispersing phase. It retains optical appearance and surface texture in ready formulated paint and coating systems.

Borchers® AF 0871 can be used in clears and pigmented systems where the addition in case of clears needs only slight agitation. The efficiency is independent of the curing mechanism. Due to its unique molecular structure, it shows no negative impact on surface integrity.

Applications

Borchers® AF 0871 increases density and provide homogenous film built after application. It has been designed for use in water based emulsions and water-thinnable systems. The efficiency is proven in physically and chemically curing systems based on polyurethanes (including acrylate modification), hydroxyl bearing polyacrylates and any acrylate or polyurethane based dispersions.

Borchers® AF 0871 can be used neat or in a diluted form with water. To ensure adequate incorporation while preparing pigmented systems, it should be added directly in the dispersing phase where foam formation and stabilization is successfully blocked. The product shows excellent performance when formulating semi and high glossy systems.

Furthermore it can be combined with silicone based additives to improve surface characteristics. In combination with *Borchi® Gol LA 200* and/or *Borchi® Gol LA 2* additional leveling, scratch resistance and substrate wetting properties can be obtained.



Dosage

Borchers® AF 0871 can be added to the formulation at any stage, including post addition. The required amount of **Borchers® AF 0871** depends on the required effect and the type of system.

Usual amounts are approximately 0.1 to 1.5% by weight on total formulation. The exact addition rate must be determined in each individual case by performing preliminary tests.

Recommended dosage

Wood and furniture coatings:	0.1 to 1.0 % on total formulation
Printing inks and overprint varnishes:	0.3 to 1.5 % on total formulation
General industrial coatings:	0.1 to 1.0 % on total formulation

Storage

Protect from the effects of weathering and store at temperatures between 10 and 32 °C.
Once opened containers should be released immediately after each removal of the product.

Safety

Please refer to our safety data sheet for information relating to product safety.

Updated: 25.02.2009

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