TECHNICAL INFORMATION

Lubricant and friction agent for paper coatings

Composition: Dispersion of calcium stearate, nonionic

Appearance: liquid

Colour: white, turbid

Typical Properties:
- Active ingredients: approx. 50 %
- Density at 20°C: approx. 1.01 g/cm³
- Solubility in water: easily emulsifiable
- pH : approx. 11

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.

Properties/applications:

OMBRELUB CD is a very finely dispersed calcium stearate dispersion in water. It is easily miscible with water in all ratios. OMBRELUB CD is an excellent friction agent, which improves the glaze during the calendering process. OMBRELUB CD can be added to the coating colour during any stage of the manufacturing process. The product is used in all kinds of pigmented coating colours:
- to improve the printability and dimension stability
- to avoid dusting and picking during the calendering- and printing process
- to optimise the runability of the calender
- to increase the flexibility of the coated top layer and to avoid the brittleness during the manufacturing process

OMBRELUB CD has no impact on the rheological profile of the coating colour. The product has a high whiteness and does not tend to yellowing. In case of very low pH-values the calcium stearate may decompose.

Recommended levels/use:
Normal dosage ranges from 0.5 to 2.0 % for calendering auxiliary calculated on solids content of the paper coating. The optimum concentration should be determined in pretests.

Storage/handling:
Open drums should be closed immediately after use in order to avoid drying effects on the surface of the material. For dosage and storage plastic material or stainless steel are suitable. After longer periods of storage the dispersion tends to separate. Therefore it must be stirred well before use. OMBRELUB CD is sensitive to freezing. Therefore it must be stored between 10 to 25° C. The minimum shelf life in closed containers is 9 months from the date of manufacture.

Packaging:
Totes holding 1000 kg net or tank truck.

Our technical suggestions are based on data from many experiments and cannot represent a warranty of any kind as to their performance in other formulations. Customers must always verify our product’s performance in their own systems. This technical data sheet replaces all previous issues.

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MÜNZING CHEMIE GmbH
Münzingstrasse 2
74232 Abstatt
Tel: +49(0)7131/987-0
Fax: +49(0)7131/987-125
sales.pca@munzing.com
www.munzing.com