

TECHNICAL DATA SHEET

BILTREAT C Lubricant (Nonionic Calcium Stearate Dispersion)

Description:

- BILTREAT C is Calcium Stearate dispersion for use in starch, casein or latex coatings. It improves the application of coatings and imparts a better finish to coated paper. Among its outstanding features are its economy and ease of use.
- By lubricating the coating, BILTREAT C dispersion improves flow and leveling characteristics, making possible, smooth and even application. It also reduces cracking of the dry coating and improves its printability and appearance. Surface is glossier and has a smooth feel.
- Unlike most calcium stearate dispersion, BILTREAT C has very little effect on the viscosity of most coatings. This allows the utilization of slightly higher solid coatings, thus realizing a lower, load on drying equipment. At the same time, a greater coating weight is achievable with the same equipment as it is ordinarily used. BILTREAT C dispersion prevents dusting at the supercalenders and during slitting the printing operations. In certain grades of paper, super calendering can be omitted, since BILTREAT C dispersion will give a high finish with machine calenders alone.

Typical Properties:

Appearance	:	White Fluid Paste
Ionic Nature	:	Non Ionic
Solid Content	:	50 ± 1 %
pH 2% dispersion	:	11.0 ± 1.0
Solubility 5 % Aq.Soln	:	Dispersible

Application:

- BILTREAT C dispersion is normally used at a level of 1-5% on the weight of the dry solids in the coating. Being a mobile liquid no pre-dispersion is necessary, as is the case with paste stearates. It may be mixed directly with the coating color at any convenient point in the make-up of the color.
- When starch is the adhesive, however, it should not be added until the starch has been cooked. BILTREAT C dispersion is stable in the presence of alkalis and dilute acid solutions. It should not be subjected to strong acid solutions, since decomposition of the calcium stearate will result.

FDA Status:

- BILTREAT C contains ingredients which are approved by the FDA for use in the following indirect food contact applications listed in 21 CFR, Part 121, Subpart F:

Section - Title:

121.2519 - Defoaming agents used in the manufacture of paper and paperboard
121.2520 - Adhesives
121.2526 - Components of paper and paperboard in contact with aqueous and fatty foods.

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121.2557 - Defoaming agents used in coatings.

121.2571 - Components of paper and paperboard in contact with dry food.

Handling:

- Freezing seriously damages the product. Protect against low temperatures in storage. Containers should be kept tightly closed when not in use to avoid evaporation losses.

Packing:

- BILTREAT C dispersion is packed in 200 kg M.S. drums.

Disclaimer: The suggestion & data in this publication is currently believed to be accurate. We do not guarantee its accuracy as the conditions & methods of the use of our products are beyond our control. Purchasers should always make their own determination of its suitability and completeness for a particular use, for the protection of the environment & for the health and safety of employees.

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