

Calsan[®] 50V

Product description A vegetable-based lubricant for paper coatings; free of animal by-products

- Key benefits**
- Lubricant for paper coatings prevents dusting and fold cracking in paper and paperboard
 - Uniform particle size provides a product of superior consistency
 - Low free calcium ion content
 - Rapid dispersion properties; provides improved flow and leveling characteristics
 - Low viscosity provides excellent pumpability and makes the product easy to disperse
 - Good gloss
 - Ideal for food-contact applications such as food packaging and other applications where use of animal-derived materials is not desired.

Chemical nature Aqueous calcium stearate dispersion

Properties

Physical form Aqueous dispersion (white liquid)

Technical data (no supply specification)	Solids (non-volatile) content	%	49.0 – 51.0
	pH (Neat)		8.0 – 12.0
	Viscosity at 23 °C (Brookfield RV, Spindle #3, at 100 rpm)	cps	200 – 300
	Free Alkali	%	0.1 (max)
	+325 Mesh Residue	%	0.005 (max)

Application

Calsan® 50V is a vegetable-based lubricant for paper and paperboard coatings. It is based on palm oil, the product provides good gloss, prevents dusting and fold cracking in paper and paperboard, and is free of animal byproducts, making it ideal for a number of food-contact applications such as food packaging and other applications where use of animal-derived materials is not desired.

Typical addition amounts of 0.5 – 2.0 parts based on 100 parts dry pigment solids

Storage

Calsan® 50V has a shelf life of six months from delivery date, provided it is stored in accordance with the "Handling and Storage of polymer dispersions" brochure. The consistency and uniformity of Calsan® 50V reduces the tendency to settle in prolonged static storage. (Even so, a storage tank with agitation is recommended). Technical information regarding the storage of BASF polymer dispersion products is available upon request.

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Validity

This Technical Data Sheet is valid for all versions of the 0BCalsan® 50V.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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