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Please file this leaflet in your "Adhesive Raw
Materials 1" binder, Section 9

Lumiten® I-SC

Anionic surfactant used to improve the wetting power of polymer dispersions

Chemical nature

Solution of sodium sulphosuccinate/isotridecanol ethoxylate in water.

Properties

Product specification

Content of active substance (ISO 2271)	%	58 ± 1
pH of 10% aqueous solution (ISO 976)		5.5–7.5

Due to a system change, please take the product specification from the attached specification sheet.

The aforementioned data shall constitute the agreed contractual quality of the product. The product shall be checked at regular intervals as part of our quality assurance program. Neither these data nor the appearance of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

Other properties

Density at 20 °C	g/cm ³	approx. 1.11
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Application

Lumiten® I-SC is used to improve the wetting power of polymer dispersions, especially when they are being processed with machinery. It performs well in combination with nonionic wetting agents and emulsifiers.

Processing

It is usually sufficient to add 0.5–2 % Lumiten® I-SC to polymer in order to avoid problems caused by insufficient wetting.

Lumiten® I-SC becomes highly viscous when water is added, and so we would recommend applying it in the form of a very dilute solution.

We would recommend leaving polymer dispersions to stand for a few hours after Lumiten® I-SC has been added in order for it to take full effect.

Customers have to carry out their own trials when developing and processing products based on Lumiten® I-SC. The compatibility of Lumiten® I-SC with other ingredients of formulations, its stability in storage and its effects on the rheology of formulations, etc., are affected by a variety of factors which are too numerous for us to take into account in our own trials.

Safety

General

The usual safety precautions when handling chemicals must be observed. In particular, the place of work must be well ventilated if large quantities are being processed, the skin should be protected, and safety glasses should be worn at all times.

Safety Data Sheet

A Safety Data Sheet is available for Lumiten® I-SC which contains up-to-date information on all questions relevant to safety.

Industrial hygiene

Lumiten® I-SC can cause irritation to the eyes and skin. Safety glasses must be worn when handling this product, and measures must be taken to protect the skin.

Labelling

See information in the Safety Data Sheet.

Storage

Lumiten® I-SC has a shelf life of one year if it is stored in tightly sealed containers at a temperature of 10–30 °C.

It does have a tendency to become cloudy, especially in winter, but the cloudiness disappears when it is heated.

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. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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