Loxanol® MI 6727

Product description Loxanol® MI 6727 is an aqueous solution of a cationic polymer

Chemical nature Polyamine

Properties

Physical form Clear colorless to yellowish liquid

(not supply specification)			
	Viscosity	ISO 2555, Brookfield	~ 1.700 mPa·s
	Concentration	ISO 3251	~ 33%
	pH value	DIN 19268, 1% in d.i. water	~ 11
	Density	DIN 51757, 20°C	~ 1.08 g/cm3

Application

Loxanol® MI 6727 is an aqueous solution of a polyamine. It is miscible with water in any concentration. It is soluble in alcohols from methanol to propanol but not in solvents like ethyl acetate, hexane or toluene. Loxanol® MI 6727 is compatible with cationic and nonionic systems. A combination with anionic systems may lead to incompatibilities and coagulation. To a certain extent this incompatibility can be positively influenced by the addition of ammonia. When colored pigments or dyes are used together with Loxanol® MI 6727 a shift in color can occur.

Because of its high charge density, the polymer absorbs strongly on negatively charged surfaces like cellulose, polyesters, oxidized polyolefins polyamides and metals. In this function it acts as an adhesion promotor between different materials. Required dosage for this purpose is as low as 50 – 150 mg/m^2.

In coatings and inks Loxanol® MI 6727 can be used as adhesion promotor. Especially in UV-coatings primers containing Loxanol® MI 6727 improve the adhesion of the coating to the surface substantially.

Recommended concentrations 5 –10 % in relation to the substances to be emulsified.

Storage

Loxanol® MI 6727 shall be stored in a cool and dry place in originally sealed containers. In case of solidification because of low temperature storage it can be heated up to 80°C preferably under stirring. This has no influence on the performance of the product. Cloudiness disappears by gentle heat of 30 – 50°C. Hot temperatures and sunlight as well as longer exposure to oxygen can lead to discoloration or even forming of films at the surface.

Loxanol® MI 6727 is hygroscopic and containers should always be closed and sealed properly. In the absence of oxygen Loxanol® MI 6727 is thermally stable.

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Validity

This Technical Data Sheet is valid for all versions of the Loxanol® MI 6727.

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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