

Loxanol[®] MI 6735

Product description

Adhesion promoter

- Highly effective adhesion promoter for bonding different materials
- Can act as physical or chemical crosslinking agent in coatings, paints and adhesives

Chemical nature

Polyethyleneimine

Properties

Physical form

Clear liquid

Technical data

(not supply specification)

Water content	ISO 760	≤ 1.0 %
Residual Content Ethyleneimine		≤ 1 ppm
Viscosity, dynamic	DIN 53015 (Höppler, 50 °C)	13 – 18 Pa.s
Average molecular mass	GPC	~ 25,000 g/mol
pH value (as supplied)		~ 13

Application

Loxanol® MI 6735 is a multifunctional cationic polyethyleneimine with a high charge density. It absorbs strongly on negatively charged surfaces such as cellulose, polyester, polyolefines, polyamides and metals. It is therefore recommended as adhesion promoter for bonding different materials.

Loxanol® MI 6735 is an effective adhesion promoter for printing inks for laminated films. It is particularly suitable for sandwich-printed laminated films.

Loxanol® MI 6735 is strongly basic and must only be used with binders and pigments that are stable to alkalis. Polyvinylbutyral is the preferred binder.

In addition, owing to the large number of peripheral amino groups, Loxanol® MI 6735 can act as physical or chemical crosslinking agent in coatings, paints and adhesives

Recommended concentrations

0.5 – 1 % depending on the application

It is important for the transport, storage and processing of Loxanol® MI 6735 to know that its viscosity decreases significantly with increasing temperature.

Loxanol® MI 6735 can also be diluted with water to decrease viscosity.

Storage

Loxanol® MI 6735 should be stored in a cool dry place.

High temperatures and direct sunlight can lead to discoloration and the formation of surface films. At temperatures below 0 °C the products may solidify, but brief heating to a maximum of 80 °C and stirring reverses the process. Prolonged exposure to atmospheric oxygen can cause discoloration. We therefore recommend storage under an inert atmosphere of nitrogen.

Contacts worldwide

Asia
BASF East Asia Regional Headquarters Limited
36/F, Two Taikoo Place,
Taikoo Place,
979 King's Road,
Quarry Bay, Hong Kong
formulation-additives-asia@basf.com

North America
BASF Corporation
11501 Steele Creek Road
Charlotte, NC 28273
USA
formulation-additives-nafta@basf.com

Europe
BASF SE
Formulation Additives
67056 Ludwigshafen
Germany
formulation-additives-europe@basf.com

South America
BASF S.A.
Rochaverá - Crystal Tower
Av. das Nações Unidas, 14.171
Morumbi - São Paulo-SP
Brazil
formulation-additives-south-america@basf.com

Validity

This Technical Data Sheet is valid for all versions of the Loxanol® MI 6735.

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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