

Lupasol® Waterfree Polyethylenimine



Description

Medium molecular weight ethylenimine homopolymer. Clear to slightly turbid, colorless to pale yellow, viscous liquid.

Applications

Lupasol promotes adhesion of wood laminates, cement, and bricks. It enhances the effectiveness of wood preservatives, and adheres to metal surfaces.

Lupasol promotes adhesion to metal surfaces and improves corrosion inhibitors. It solubilizes metal cations.

Lupasol scavenges oxides of carbon, nitrogen, sulfur, and volatile aldehydes. Chlorine and bromine are also scavenged.

Lupasol chelates heavy metal ions selectively and reversibly. It will scavenge organic halides and acts as a flocculant.

Lupasol anchors active enzymes to porous and non-porous supports for use in industrial chemical synthesis. It flocculates nucleic acids and proteins.

Shelf Life

About 1 year in sealed containers. Freezing can occur at temperatures below 0°C, but it is fit for use after thawing and stirring.

Specifications

Water Content.....	1.0 % Max.
Viscosity @ 50°C.....	13000 – 18000 mPa·s

Typical physical properties

Density (20°C).....	1.10 g/cm ³
Pour Point.....	–3°C
pH.....	10 – 12
Dry Content.....	99%
Viscosity (50°C).....	13,000 – 18,000 cps
Average Molecular Weight.....	25,000
Common Chemical Name.....	Polyethylenimine (PEI)
CAS Number.....	9002-98-6

FDA Status

175.105 Lamination or sealing of food packaging items.

175.320 Resinous and polymeric coatings for polyolefin films to anchor epoxy surface coatings to base sheet.

176.170 Component of paper and paperboard in contact with aqueous and fatty foods.

176.180 Component of paper and paperboard in contact with dry food.

177.1200 Prime coat for cellophane used for packaging food impregnated in regenerated cellulose sheets.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

Lupasol is a registered trademark of BASF Aktiengesellschaft

For More Information

Order Placement

To place orders for delivery in the United States or Canada, please call our toll free number (800) 443-6460.

For Other Information

Including product literature and Material Safety Data Sheets please call (734) 324-6101.

Or Visit Our Website At:

www.performance.basf-corp.com

Important: While the information and data contained in this bulletin are presented in good faith and believed to be reliable, they do not constitute a part of our terms and conditions of sales unless specifically incorporated in our Order Acknowledgment. NOTHING HEREIN SHALL BE DEEMED TO CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, THAT SAID INFORMATION OR DATA ARE CORRECT OR THAT THE PRODUCTS DESCRIBED ARE MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE, OR THAT SAID INFORMATION, DATA OR PRODUCTS CAN BE USED WITHOUT INFRINGING PATENTS OF THIRD PARTIES.

© 2013 BASF Corporation. All rights reserved.

BASF Corporation
100 Park Ave
Florham Park, New Jersey 07932
800-443-6460