

TECHNICAL DATA SHEET

EM 1421 60% Active Emulsion of Ultra High MW Polydimethylsiloxane

Description

This product is an industrial nonionic polydimethylsiloxane emulsion.

Key Features

- Excellent mar resistance and leveling
- Ultralow cyclic levels
- Easy to handle and formulate
- Compatible with cationic, anionic, and nonionic systems

Key Applications

- Water based paints, inks, and coatings
- Leather conditioning
- Auto care
- Rubber treatment

Application

EM 1421 is a unique nonionic emulsion of ultra high molecular weight polydimethylsiloxane. This emulsion is designed to be used as a additive in water based paints, inks and industrial coatings where superior mar resistance and hydrophobicity is desired. This product is also an effective leather conditioner and has been used in automotive care, rubber treatment, mold release and printing applications.

Use and Cure Information

To optimize the dispersion of this emulsion into the final formulation, it is recommended to add it slowly at the end of the procedure at a temperature below 40 °C (104 °F) with continuous mixing or stirring.

Health & Safety

Read product and safety data sheets before handling this product for physical and health hazard information. The safety data sheet is available from your CHT representative.

Limitations

This product is not intended for pharmaceutical use.

Property	Test Method	Value
Product		
Appearance		White liquid
Ionicity		Nonionic
Solids Content (%)		60 %
pH		5
Addition Rates		
Dosage - 1		2 - 5%
Storage		
Max Storage Temperature		40 °C / 104 °F
Packaging		35 lb. pails and 441 lb. drums
Shelf Life		18 mths

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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