

TECHNICAL DATA SHEET

EM 1435 40% Active Emulsion of a High MW Polydimethylsiloxane

Description

This product is an industrial anionic polydimethylsiloxane emulsion

Key Features

- Excellent wetting and spreading
- High molecular weight with increased reactivity for extended performance
- Cationic charge improves surface deposition
- APE Free

Key Applications

- Release agent
- Auto care
- Leather conditioning
- Vinyl dressing

Application

EM-1435 is a 40% active anionic emulsion of a high molecular weight polydimethylsiloxane. The high molecular weight dimethicone actives are delivered in an opaque, low viscosity liquid with neutral pH. This emulsion was developed as an effective release agent at low concentrations. EM 1435 is used in a variety of release and coatings applications where a tenacious, durable, elastomeric film is required. It has more crosslinking than the industry standard cationic aminosilicone emulsions, such as EM 1449.

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

Product

Appearance
Ionicity
Solids Content (%)
pH

Addition Rates

Dosage - 1

Storage

Max Storage
Temperature

Packaging

Test Method Value

White liquid

Anionic

40 %

7.5

0.1 - 1%

40 °C / 104 °F

40 lb. pails, 441 lb. drums, 2205 lb. totes, and tanker

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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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