

EM 1144 60% active emulsion of ultra high molecular weight PDMS

Description

This product is an industrial nonionic polydimethylsiloxane emulsion.

Key Features

- Imparts slip and mar resistance in a high solids emulsion
- Self leveling with uniform deposition on a variety surfaces
- VOC-free with <0.1% D4
- Performs at low concentrations with excellent wetting/spreading

Key Applications

- Water based paints, inks, and coatings
- Leather conditioning and rubber treatment
- Auto care
- Printing applications

Application

EM 1144 is a 60% active non-ionic emulsion of extremely high molecular weight polydimethylsiloxane. This emulsion is completely VOC free and specially developed to impart slip and mar resistance in water borne systems. EM 1144 reduces the coefficient of friction, provides antilocking, imparts leveling, and wetting. EM 1144 is a low (<0.1%) octamethylcyclotetrasiloxane (D4) product.

Packaging Information

This product is available for sale as 40 lb. pails and 430 lb. drums.

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

% Silicone
Appearance
Ionicity
Ultralow cyclic content

Storage

Max Storage
Temperature
Shelf Life

Test Method

Value

60 %
White liquid
Non-ionic
Yes

40 °C / 104 °F

12 mths

Revision Date 30 Aug 2021
Revision No 6
Download Date 17 May 2024

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet. CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. 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.

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany
Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com