

EM 1478 50% Active Emulsion of an Ultra High MW Polydimethylsiloxane

Description

This product is an industrial anionic polydimethylsiloxane emulsion

Key Features

- Ultra high molecular weight silicone delivered in a high solids emulsion
- Excellent dilution and freeze-thaw stability
- Superior presistance
- Excellent wetting/spreading with improved deposition on surfaces

Key Applications

- Release agent
- Rubber treatment
- Casting
- Extrusion

Application

EM 1478 is a 50% active emulsion of an ultra-high molecular weight silicone polymer. 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 1478 is specially formulated to be used in many industrial mold release applications. This product has also proven to be an effective lubricant and hydrophobic agent when formulated into a coating application.

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	Anionic
Solids Content (%)	50 %
pH	7.5

Addition Rates

Dosage - 1	0.1 - 1%
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Storage

Max Storage Temperature	40 °C / 104 °F
Packaging	40 lb. pails, 441 lb. drums, 2205 lb. totes, and tanker
Shelf Life	12 mths

Revision Date	21 Sep 2021
Revision No	5
Download Date	14 May 2024

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