

## 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%
------------	----------

#### 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	09 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](mailto:info@cht.com), Homepage: [www.cht.com](http://www.cht.com) / [www.cht-silicones.com](http://www.cht-silicones.com)