

## 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

#### Product

Appearance

Ionicity

Solids Content (%)

pH

#### Addition Rates

Dosage - 1

#### Storage

Max Storage Temperature

Packaging

Shelf Life

### Test Method Value

White Liquid

Anionic

50 %

7.5

0.1 - 1%

40 °C / 104 °F

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

12 mths

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