

# TECHNICAL DATA SHEET

## EM 1670 RTU 10% Polydimethylsiloxane emulsion

### Description

This product is an industrial nonionic polydimethylsiloxane emulsion.

### Key Features

- Ready-to-use silicone and preservative levels
- Thick, creamy, clinging viscosity to promote application on vertical surfaces
- Compatible with cationic, anionic, and nonionic systems
- Uniform deposition on surfaces

### Key Applications

- Auto care
- Polish formulations
- Leather conditioning
- Multipurpose release agent

### Application

EM 1670 RTU is a 10% active emulsion of 350 cSt polydimethylsiloxane. Because of its non-ionic nature, it can be used in a variety of systems, such as non-ionic, anionic, cationic surfactant or polymer systems without forming a complex. EM

1670 RTU delivers 350 cSt PDMS in an industry-leading fine particle size emulsion, permitting a wider range of applications and storage conditions than the competition. EM 1670 RTU's increased viscosity permits easy application on vertical surfaces.

### 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  |
|-------------------------|-------------|--|
| <b>Product</b>          |             |  |
| Appearance              |             | Milk White                                     |
| Ionicity                |             | Non-ionic                                      |
| Solids Content (%)      |             | 10 %   |
| pH                      |             | 8.0  |
| <b>Addition Rates</b>   |             |  |
| Dosage - 1              |             | Ready to use                                   |
| <b>Storage</b>          |             |  |
| Max Storage Temperature |             | 40 °C / 104 °F                                 |
| Min Storage Temperature |             | 4 °C / 39 °F                                   |
| Packaging               |             | 40 lb. pails, 441 lb. drums, or 2205 lb. totes |
| Shelf Life              |             | 12 mths  |

Revision Date 22 Sep 2021

Revision No 7

Download Date 22 Mar 2023

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