



## Silicones

Powerful like a major, flexible like a formulator

# BRB Sempure 1218

## High Molecular Weight Silicone Emulsion

### Description

**BRB Sempure 1218** is a 60% anionic emulsion of a high molecular weight polydimethylsiloxane.

### Application

**BRB Sempure 1218** is suitable as release agent for rubber, plastic, metals, as slip additive for aqueous coatings as well as ironing aid in aerosol formulations of starch.

### Benefits

- Easy application, effective at low concentration
- Provide mar resistance, slip, gloss and release
- Good surface wetting
- Excellent Emulsion stability even when diluted

### Typical Data

| Parameter                | Unit               | Value                     |
|--------------------------|--------------------|---------------------------|
| Silicone content         | %                  | 60                        |
| Appearance               |                    | Color White to off -white |
| Internal Phase viscosity | mm <sup>2</sup> /s | >1.000.000                |
| Viscosity at 25° C       | mm <sup>2</sup> /s | 200                       |
| pH                       |                    | 6-8                       |
| Suitable diluent         |                    | Water                     |
| Emulsifier type          |                    | Anionic                   |

### How to Use

As release agent: **BRB Sempure 1218** is generally used at a solid content in between 0,5% to 5%, that means a dilution ratio with water in between 1:120 down to 1:12 w/w. Add the water to the emulsion under gentle stirring.

As additive for aqueous coatings: **BRB Sempure 1218** typical dosage is in between 0.01-0.1 % in weight based upon total solids. Looks for the lowest concentration necessary to achieve the desired results. Check for recoatability.

As additive in ironing aid formulation, shoes and hard surface polishes: add **BRB Sempure 1218** in reason of 1 to 4% in the aqueous phase with low shear mixing.

A Product Safety Data Sheet should be obtained from your BRB office prior to use.

**ATTENTION:** Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

Warranty: The information given in this product data sheet are believed to be fully accurate. However, BRB International BV shall not be liable for its content and make no warranty with respect thereto. For additional information we request you to contact BRB International BV visit our web-site: [www.brb-international.com](http://www.brb-international.com)