

EM 18

35% Silicone Emulsion

Introduction

This is a water dilutable silicone emulsion, employed as a releasing agent for rubber and generally plastic materials. In the art graphic industry, it is mainly used as an antistatic and slip agent, it confers resistance to scratching during paper folding processes and protection to mechanical components.

Key Features

- Excellent wetting characteristics
- Good surface abrasion resistance
- Provides excellent gloss on tyres and vinyl (interior and exterior)
- Good dilution stability

Use and Cure Information

Applications

This silicone emulsion has been formulated specially as a release agent and lubricant in a wide range of applications and processes such as:

- mould release agent
- release agent for bandaging of rubber tubes in vulcanisation process
- textile lubricant for yarn and thread as well as hosiery manufacture
- lubricant and antistatic in rotogravure off-set printing
- release agent for plastic tubes used to form bags and sacks
- gloss, slip and wettability in detergent and cleaner formulations

How to Use

This emulsion can be used either as supplied or diluted with water to the desired concentration, depending on the characteristics of the release and lubricant properties desired.

Dilutions of emulsion are stable, if the diluted emulsion is separated it is recommended to gently stir the emulsion to homogenize the system.

The concentration required for good release and lubricant properties depends on the process where it is employed. If there is no previous experience of a foam problem, it is generally suggested to start with a dilution of 1 part of Emulsion to 10 parts cold water and then to adjust the amount upwards or downwards to determine the most cost effective concentration.

In the graphic industry dilution required is usually 1:20 but this can vary depending on the kind of paper used.

Health and Safety:

Safety Data Sheets available on request.

Packaging:

CHT Emulsions are available in a variety of packaging and sizes including drums and IBC's. Please contact our sales department for more information.

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Property

% Silicone

% Solids

Base Fluid Viscosity cst

Ionicity

Silicone Yes/No

pH

Storage

Max storage temperature °C

Min storage temperature °C

Shelf life

Test Method

Value

35 %

35 %

12500 cst

non-ionic

yes

6.5-8.5

30 °C

5 °C

12 mths

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