

## EM1420 (NP 10.040) Non reactive micro emulsion

### Introduction

Emulsion **EM1420** is a water dilutable **13%** silicone fluid emulsion based on non reactive amino-functional silicone fluid. It is employed as softener for the impregnation of fibres and textiles. Emulsion **EM1420**, improves the sewing action, tear strength and reduces abrasion loss.

### Key Features

- **Amino functional micro emulsion**
- **Use as softener for textiles**
- **Additive for home and auto polishes**
- **Used to give gloss and shine on leather**

### Applications

Emulsion **EM1420** has been formulated specially as softener agent in textile finishing but can be used in many other applications and processes such as:

- textile lubricant for yarn and thread
- shine in household and polishes formulation
- gloss in detergent and cleaner formulations

### How to Use

Emulsion **EM1420** can be used either as supplied or diluted with water to the desired concentration, depending on the characteristics of the fabric to be treated.

It can be applied either by padding or by the exhaust method alone or with other finishing agents. If Emulsion **EM1420** is used together with other additives it is suggested to verify their compatibility.

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

Concentration of **EM1420** required for good softening properties depends on the process where it is employed. For the pad method from 5 to 50 g/l of emulsion, for the exhaust method from 1 to 5 % relative to the weight of goods and then to adjust the amount upwards or downwards in order to determine the most cost effective concentration.

Property*	Test Method	Value
Colour:		<b>Translucent</b>
Appearance:		<b>Translucent liquid</b>
Emulsifier Type:		<b>Cationic</b>
Density at 25°C:	5350 Part B1	<b>0.99</b>
pH:		<b>4.0-6.0</b>
Solids Content:		<b>20 %</b>
Silicone Content		<b>13 %</b>
FDA Approved		<b>No</b>
Silicone		<b>Yes</b>
Reactivity		<b>No</b>

### Suitable Diluents

Water

### Health and Safety

Available on request

### Packages

200 kg. Drums; 1000 kg IBC

### Storage and Shelf Life

Over six months. This product should be stored between 5 and 30°C in clean sealed containers. The product should not be allowed to freeze.

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\* The details are merely typical properties not specifications.

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