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Associazione Tessile e Salute
Azienda associata

p.IVA 00736390964 C.F. 02639210158 c.c.i.a. Milano n. 927455 Codice ISS azienda 00736390964

MICROEMULSIONE MS -I 75

Water-free, non-ionic softener concentrate based on a self-dispersing hydrophilic silicone fluid

Product Data

Property	Specification
Appearance and colour	Milky white to slightly yellowish liquid
pH (at 25°C, 200 g/L in water)	5.5
Ionic character	Non-ionic

Properties

By improving the fabric handle and, thanks to its **hydrophilic character**, MICROEMULSION MS/I 75 significantly enhances the **wearing comfort** of finished textiles.

When diluted in warm water, the product forms a **macro-emulsion**, imparting a **smooth, elastic and surface-oriented handle** to all treated fabrics.

The **hydrophilic performance** results from the **specific orientation of MICROEMULSION MS/I 75 on the fibre surface**, which allows for **efficient moisture transport through the fabric**, while maintaining the **excellent softness and silky touch** typical of high-quality silicone softeners.

Due to its **distinct silky, smooth handle**, MICROEMULSION MS/I 75 is particularly suitable for **lightweight fabrics and articles made from all types of fibres** where hydrophilic properties are desired.

MICROEMULSION MS/I 75 shows **stronger fibre affinity** than polysiloxane glycols, resulting in **better exhaustion and improved wash durability**.

Application

MICROEMULSION MS/I 75 is used for the **hydrophilic finishing of fibres and fabrics of all types**.

On **hydrophilic substrates** such as cellulose, the existing absorbency is generally unaffected, whereas on **hydrophobic substrates** such as polyester, a **marked improvement in wetting properties** is typically observed.

The product provides woven and knitted fabrics with a **soft, smooth, silky hand**.

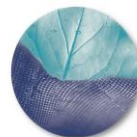
Under normal processing conditions, MICROEMULSION MS/I 75 has a **negligible effect on whiteness** and generally **does not alter colour shade or fastness**.

It is suitable for both **padding and exhaustion applications** and may be used **alone or in combination with organic softeners, polyethylene waxes, or other finishing auxiliaries**.

Compatibility should be evaluated case by case.



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Preparation Procedure

1. Charge 25 g of MICROEMULSION MS/I 75 and 25 g of warm water ($\approx 50^{\circ}\text{C}$). Stir at 750–1000 rpm for about 1 hour, until a **clear and completely homogeneous solution** is obtained.
2. Gradually add the **remaining amount of water (at room temperature)** under continuous agitation, mixing until a **uniform macro-emulsion** is formed.

Application Guidelines

- **Padding process:**
Use 10–30 g/L of a 20% **dilution** of MICROEMULSION MS/I 75.
- **Exhaust process:**
Use 1–2% (**o.w.f.**) of a 20% **dilution** of MICROEMULSION MS/I 75, depending on the substrate and desired hand.

Storage

Storage beyond the expiry date printed on the label does **not necessarily render the product unusable**; however, its suitability for the intended application should be verified beforehand. The product must be **stirred thoroughly before use**.

Example of an emulsification recipe:

ingredient	weight%
WETSOFT® NE 750	25
Demineralized Water	25
Demineralized Water	50

Keywords: microemulsion, hydrophilic silicone, softener concentrate, self-dispersing silicone, soft handle, silky touch, textile finishing, non-ionic

The information contained in this data sheet is based on our present and best knowledge. However we make no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular use or purpose. Consequently the product must be tested by the user according to his needs and his production and application conditions and purposes. Neither do we assume any responsibility for infringement of third parties patent rights which may arise from the use of the product. For industrial use only.

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