



BIOSOFT 09N

TECHNICAL INFORMATION

技术信息

BIOSOFT 09N is a reactive "functional silicone fluid".

BIOSOFT 09N 是一种反应性“功能性硅油”。

APPLICATION

应用

BIOSOFT 09N is particularly suitable as active substance in softener formulations for the impregnation of fibers and textiles.

BIOSOFT 09N 特别适合作为柔软剂配方中的活性物质，对纤维和纺织品进行浸渍。

BIOSOFT 09N imparts a very soft, drapable, and elastic touch to woven and knitted fabrics.

BIOSOFT 09N 为梭织和针织面料带来非常柔软、悬垂和弹性的触感。

BIOSOFT 09N is considered to be the best softening agent for cotton fabrics and knitware made of cotton or cotton/PES blends.

BIOSOFT 09N 被认为是由棉或棉/PES 混纺棉织物和针织品的最佳柔软剂。

BIOSOFT 09N improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning.

BIOSOFT 09N 改善了耐洗耐磨性能，以及折皱回复度、可缝纫性和抗撕强度，同时降低磨损量。

BIOSOFT 09N has only little effect on the degree of whiteness in a softener formulation. As a rule no adverse effect on the shade or color fastness properties of coloured goods is observed.

BIOSOFT 09N 对柔软剂配方中的白度几乎没有影响。一般来说，未观察到对花色布的色调或色牢度性能的不利影响。

As part of formulations used as fill fibre finish **BIOSOFT 09N** imparts excellent slickness and resilience to the fibre.

BIOSOFT 09N 可用作填充纤维涂饰剂配方的一部分，让纤维具有优异的光滑度和弹性。

PHYSICAL PROPERTIES

物理特性

Typical general characteristics 典型的一般特性	Value 值
Appearance 外观	clear to slightly turbid fluid 清澈到略微浑浊的液体
Viscosity, dynamic 粘度、动态	approx.1000 mPa.s 大约 1000 mPa.s
Amine number 胺值	approx.0.3 ml 1 N HCl/ g 大约 0.3 ml 1 N HCl/ g substance 物质

These figures are only intended as a guide and should not be used in preparing specifications.

上述数字仅用作指南，不应用于制定规格。

PROCESSING

加工

BIOSOFT 09N can be applied neat, from solution, or emulsion. Suitable solvents are aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, esters, higher alcohols, and ketones.

BIOSOFT 09N 溶液或乳液无需加水即可使用。合适的溶剂包括脂肪族和芳族烃、氯化烃、酯、高级醇和酮。

Most textile processes are waterbased. Hence **BIOSOFT 09N** is mainly applied from emulsion. **BIOSOFT 09N** is suitable for the formulation of microemulsions and macroemulsions.

大多数纺织工艺均为水基。因此，**BIOSOFT 09N** 主要通过乳液应用。**BIOSOFT 09N** 适用于微乳液和粗乳液的配制。

BIOSOFT 09N can be used as sole active substance in softener emulsions or in combination with other components, e.g. paraffines, esters of fatty acids, etc.

Compatibility of the components has to be checked in each individual case.

BIOSOFT 09N 可用作软化剂乳液中的唯一活性物质，或与其它组分（例如石蜡、脂肪酸酯等）结合使用。每种情况下都必须检查组分的兼容性。

Emulsions of **BIOSOFT 09N** are diluted to the optimum concentration for the specific fabric. Application can be done by padding or exhaustion.

BIOSOFT 09N 乳液被稀释到特定织物的最佳浓度。可通过浸轧或竭染来完成应用。

Typical Formulation

典型配方

	<u>weight percent</u> <u>重量百分比</u>
BIOSOFT 09N	12.0
BIOMUL P15	8.0
Pre-water I	2.5
前水 I	2.5

Acetic Acid I	0.1
乙酸 I	0.1
Pre-water II	0.5
前水 II	0.5
Dilution Water I	45.0
稀释水 I	45.0
Dilution Water II	31.5
稀释水 II	31.5
Acetic Acid II	0.4
乙酸 II	0.4

HOW TO USE

用法

1. Add **BIOSOFT 09N** and BIOMUL P15 into a tank. Agitate at medium speed for 10 minutes.
1. 将 **BIOSOFT 09N** 和 BIOMUL P15 加入水槽。中速搅拌 10 分钟。
2. Add pre-water I and acetic acid I. Agitate at high speed for 10 minutes.
2. 加入前水 I 和乙酸 I。高速搅拌 10 分钟。
3. Add pre-water II. Agitate at high speed for 10 minutes.
3. 添加前水 II。高速搅拌 10 分钟。
4. Add 45 parts of dilution water I. Agitate at high speed for 20 minutes.
4. 加入 45 份稀释水 I。高速搅拌 20 分钟。
5. Add 31.5 parts of dilution water II and acetic acid II. Agitate at medium speed for 10 minutes until the emulsion is homogeneous.
5. 加入 31.5 份稀释水 II 和乙酸 II。中速搅拌 10 分钟，直到乳液均匀。
6. Filtrate and package.
6. 过滤并包装。

STORAGE

存储

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

如果存储时间超过标签上的指定日期，并不一定表示产品不能再使用。但在此情况下，出于质量保证的原因，必须检查预期用途所需的特性。

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