TECHNICAL INFORMATION

DT-NNL 001

Introduction

DT-NNL 001 Liquid is a finishing product for extremely durable water- and oil-repellent finishing of textiles made of synthetic and cellulosic fibers, especially cotton, polyester, and their blends.

DT-NNL 001:

- Displays low sensitivity to residues on the goods
- Displays very good durability of effect even after laundering and air drying
- Does not contain detectable amounts of PFOA

1. Properties

Appearance:	White dispersion
Composition:	Dispersion of a fluorine compound
Ionicity:	Weakly cationic
pH:	4.0 – 5.0
Flash point:	> 100 °C
Dilutability:	Miscible with cold water
Compatibility with other finishing products:	Compatible with numerous crosslinking agents, catalysts, softeners and other textile auxiliaries. Preliminary trials should in principle be carried out.

Compatibility:

- Anionic products: Not compatible
- Nonionic products: Compatible
- Cationic products: Compatible

Storage Stability:	12 months at temperature of 0 °C – 40 °C.
Eco-toxicological data:	See MSDS

2. Application Properties

   2.1 Oleophobic/hydrophobic effect:
   Very good values of durability are achieved if the product if used in accordance with the recipe.

   2.2 Handle:
   Neutral Handle

3. Application:
   DT-NNL 001 can be applied by padding, foam and spray methods. Depending on the type of fiber and requirements, the amounts used are 15 – 70 g/l for padding. The pH of the finishing liquor should be 4-5 and may need to be adjusted with 0.5 – 1.0 ml/l acetic acid 60%. The water and oil repellent effects can be impaired by residues of auxiliaries on the goods being finished such as fiber finish oils, sizes, surfactants, or dyeing assistants. This is also the case when silicone-containing finish oils or softeners are used. We therefore recommend preliminary washing followed by rinsing and acidification with 1 ml/l acetic acid 60%.

All OSM Shield chemical auxiliaries are Bluesign approved, REACH compliant, ZDHC Level 1 registered, PFC-Free, and PFOA-free.