HYDROSIN NF-18
AUXILIARY FOR TEXTILE INDUSTRY

DESCRIPTION
HYDROSIN NF-18 is a hydrophobic agent without fluorine. This product provides a durable and transparent treatment on the textiles. The treated fabric shows excellent water repellency and waterproof effect. Does not change the original appearance of the finish.

SPECIAL FEATURES
- Imparts excellent water repellency to all types of fabrics: resistance to rain, as well as water stains.
- Water based emulsion: Non flammable – no flash point.
- Eco-friendly product: Does not contain fluorine and has got high biodegradability.
- APEOs and formaldehyde-free: Does not contain APEOs (alkyl phenol ethylene oxides), nor formaldehyde.

SPECIAL PROPERTIES
- Perfect stability when processing.
- High washing durability, even if applied on died goods.

PERSONAL SAFETY
HYDROSIN NF-18 does not contain toxic substances. Before using this product, please carefully read the current Material Safety Data Sheet.

TECHNICAL INFORMATIONS

<table>
<thead>
<tr>
<th>APPEARANCE</th>
<th>White to slightly yellowish dispersion</th>
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</thead>
<tbody>
<tr>
<td>IONIC CHARGE</td>
<td>Weakly cationic</td>
</tr>
<tr>
<td>pH (5% in water)</td>
<td>2.5 – 4.5</td>
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<td>DILUTABILITY</td>
<td>Miscible in all proportions with (cold) water</td>
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<tr>
<td>FLASH POINT</td>
<td>&gt;100°C (212°F)</td>
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<tr>
<td>BOILING POINT</td>
<td>100°C (212°F)</td>
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<tr>
<td>ACTIVE MATTER</td>
<td>&gt; 30% (wt)</td>
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<tr>
<td>COMPOSITION</td>
<td>Dispersion of an acrylic copolymer</td>
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</tbody>
</table>

TECHNICAL SPECIFICATIONS
- Solid content: > 30%
- pH: 2.5 – 4.5

STORAGE AND STABILITY
HYDROSIN NF-18 should be stored at temperature between 5 – 30°C. In this condition it is stable for at least 6 months. Please avoid freezing and direct exposure to sunlight. The product may become dark in color over time, but it doesn’t affect performances.

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APPLICATIONS
HYDROSIN NF-18 can be applied by pad-dry-cure method. Depending on the type of fibre and requirements, the amount used are 1 - 6% for padding.
The pH of the finishing liquor should be 4 - 5 and may need to be adjusted with 0.5 - 1 ml/l acetic acid 60%.

Proposed formulations
- cellulose fiber: 2 - 6%;
- synthetic fiber: 1 - 5%;
- blended fiber: 2 - 6%.

- Pad, dry at 110 - 130°C
- Cure for 3 min. at 150°C or 30 - 40 s at 170 - 180°C

PACKAGING
- Kg 50 – Plastic Drum
- Kg 200 – Plastic Drum
- Kg 1000 – Plastic Tank

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