# AT - 871
*Nonionic Fluorinated Water & Oil Repellent Agent*

AT-871 is based on C-8 fluoroalkyl durable nonionic water and oil repellent agent for various fibers. AT-871 gives a perfect water and oil repellent effect to synthetic fibers such as nylon and their blends. Textile finished with AT-871 keeps the excellent effect even after home-laundry or dry-cleaning.

### General Properties

<table>
<thead>
<tr>
<th>Composition</th>
<th>Perfluoroalkylacrylate copolymer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Slightly yellow emulsion</td>
</tr>
<tr>
<td>Ionicity</td>
<td>Nonion</td>
</tr>
<tr>
<td>pH (100%)</td>
<td>3.0 ± 1.0</td>
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<tr>
<td>Solid contents(%)</td>
<td>Over 30</td>
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</tbody>
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### Features & Application

- **AT-871** gives an excellent water and oil repellency to synthetic fibers such as nylon and mixed fibers.
- **AT-871** also has an excellent compatibility with other chemicals, and enables to combine with resin, anti-static agent, fire-retardant agent and silicone based repelling agent.
- **AT-871** is durable type. Therefore it is highly durable even after home-laundry or dry cleaning.
- **AT-871** has little to no effect on fastness of rubbing and washing of the dyed goods.
- **AT-871** shows a good chemical stability due to low sensitivity to pH.
- **AT-871** gives a stable water and oil repellent effect from beginning to ending.
• AT-871 is made of non-flammable solvent. It is free and easy to handle and it is almost no toxic to human.

• AT-871 does not contain formaldehyde and APEO.

### Direction for use

The optimal amount of AT-871 to be used varies according to the treated fabrics, degree of water/oil repellency and finishing agent. However, please treat the following method, Pad-Dry-Cure, depending on standard usage.

- **Cellulose fiber**: 2.00% soln. ~ 6.00% soln.
- **Synthetic fiber**: 1.00% soln. ~ 5.00% soln.
- **Blended fiber**: 2.00% soln. ~ 6.00% soln.

### Handling advice

Please avoid direct exposure to sunlight and keep in cool place. Please prevent freezing in winter season. It may make the target material darken in color to a certain extent. However, it will not affect the nature of the material and can be used safely.

### Packing

1,000kgs / IBC Tote

We strongly suggest that your company should perform operational test before using our formula.