AT-1731
Durable Fluorinated Water & Oil Repellent Agent

AT-1731 is developed super durable fluorochemical type water and oil repellent agent for various fibers. AT-1731 offers outstanding, long-lasting and durable water and oil repellent effect on natural fibers such as cotton, synthetic fibers such as polyester, nylon and their blends, mixtures.

Textile finished with AT-1731 keeps the excellent effect even after home-laundry or dry-cleaning.

<table>
<thead>
<tr>
<th>General Properties</th>
<th>Composition</th>
<th>Perfluoroalkylacrylate copolymer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Appearance</td>
<td>Slightly yellow-brown emulsion</td>
</tr>
<tr>
<td></td>
<td>Ionicity</td>
<td>Weakly cation</td>
</tr>
<tr>
<td>pH (100%)</td>
<td>2.5 ± 1.0</td>
<td></td>
</tr>
<tr>
<td>Solid contents(%)</td>
<td>Over 30</td>
<td></td>
</tr>
</tbody>
</table>

Features & Application

- AT-1731 yields excellent water and oil repellency on a wide range of fabrics.
- AT-1731 is super durable type. Therefore it is highly durable even after home-laundry or dry cleaning.
- AT-1731 has little to no effect on fastness of rubbing and washing of the dyed goods.
- AT-1731 also has better compatibility with other chemicals, and enables to use combined with resin, anti-static agent, fire-retardant agent and silicone based repelling agent.
- AT-1731 shows a good chemical stability due to low sensitivity to pH.
- AT-1731 gives a stable water and oil repellent effect from beginning to ending.
• AT-1731 is made of non-flammable solvent, and it is free and easy to handle and it is almost no toxic to human.

**Direction for use**

The optimal condition for AT-1731 is different according to different target materials and the need of the repelling power of water and oil. 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 extend. 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.