

# AT-872

## Durable Fluorinated Water & Oil Repellent Agent

**AT-872** is newly developed durable fluorochemical type water and oil repellent agent for various fibers. **AT-872** gives a perfect water and oil repellent effect to natural fibers such as cotton, synthetic fibers such as polyester and their blends.

Textile finished with **AT-872** keeps the excellent effect even after home-laundry or dry-cleaning.

<b>General Properties</b>	Composition	Perfluoroalkylacrylate copolymer
	Appearance	Slightly yellow-brown emulsion
	Ionicity	Weakly cation
	pH (100%)	3.0 ± 1.0
	Solid contents(%)	Over 30

- Features & Application**
- **AT-872** gives an excellent water and oil repellency to natural fibers such as cotton, synthetic fibers such as polyester and mixed fibersl.
  - **AT-872** is super durable type. Therefore it is highly durable even after home-laundry or dry cleaning
  - **AT-872** has little to no effect on fastness of rubbing and washing of the dyed goods.
  - **AT-872** also has an excellent compatibility with other chemicals, and enables to use combined with resin, anti-static agent, fire-retardant agent and silicone based repelling agent.
  - **AT-872** shows a good chemical stability due to low sensitivity to pH.
  - **AT-872** gives a stable water and oil repellent effect from beginning to ending.



- **AT-872** imparts good oil repellent effect. Therefore it can be applied for soil repellent agent.
- **AT-872** is made of non-flammable solvent, and it is free and easy to handle and it is almost no toxic to human.
- **AT-872** does not contain formaldehyde and APEO.

**Direction  
for use**

The optimal condition for **AT-872** 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.

