

Panther[®] Flocculant

Applications:

To be used in API oily wastewater treatment plant

This product is a quaternary cationic polymer compound which is an excellent product for de-coloring, flocculating, COD decreasing, oil removal, and other applications.

It is mainly used for the following applications:

1. Oily water flocculation and removal of oil/ suspended solids
2. Color removal of highly-colored wastewater from dye plants. It is suitable to treat wastewater with activated, acidic and dispersed dye stuffs.
3. It can also be used to treat wastewater from textile and dyeing industry, pigment industry, printing ink industry and paper industry.
4. It can be used as fixing agent and retention agent for paper production process.

Specifications:

Appearance:	Light-color, sticky liquid
Solid content:	> 50%
pH, 1% solution:	3-5
Specific gravity:	1.2-1.3 (25°C)



Application Method and Notes:

The product can be diluted with 10-40 times of water and then dosed into the wastewater directly. After being mixed for several minutes, it can be precipitated or air-floated to clarify the water.

The pH value of the waste water should be adjusted to 7-9 before being treated.

When the oil content, color, and/ or COD are relatively high, it can be used with the help of a coagulant: Poly Aluminum Chloride (PAC) or Ferric Chloride (FeCl₃). The coagulant and the flocculants should not be mixed together. This will lower the treatment cost.

Whether Poly Aluminum Chloride is used before or after the addition of the Flocculant depends on the flocculation test and the treatment process.

Safety and Precautions:

Panther[®] Flocculant is harmless, non-flammable and non-explosive. It can be stored at room temperature.

Storage:

Must be stored indoor. It can not be placed in the sun.

Packaging:

It is packaged in plastic drums with each containing 25kg, 50kg, 250kg and 1250kg.