

PTM 6701 Benzotriazole Metal Deactivator

●Product Introduction

PTM 6701 is an oil soluble Benzotriazole Metal Deactivator with a transparent yellow liquid appearance. It has excellent performances in inhibiting copper corrosion and oxidation resistance , and has a prominent synergistic effect on inhibiting the catalytic effect of metal ions on the oxidation of oil, improving the anti-oxidation ability of oil products, and prolonging the service life of oil.

It can form an inert film on the metal surface or form a chelate compound with metal ions to inhibit the catalytic acceleration of the oxidation reaction by metals.

The treat rate of the metal deactivator is low (0.01% ~0.2%), and has a prominent synergistic effect when used together with other antioxidants, It can significantly reduce the dosage of antioxidant and improve the antioxidant performances of oil products.

It can be widely used in a variety of lubricating oils, such as turbine oil, oil film bearing oil, industrial gear oil, transformer oil, general machine tool oil, circulating oil and other industrial lubricating oils, covers 90% of medium and high-end industrial lubricating oil application. It is a highly efficient and multifunctional additive.

●Product Quality Characteristics & Test Method

Item	Index	Test Method
Appearance	Transparent Yellow Liquid	Visual Inspection
Density(20°C),kg/m ³	900-1050	GB/T13377, ASTM D4052
Kinematic Viscosity(40°C),mm ² /s	60-90	GB/T265, ASTM D445
Flash Point(COC),°C	≥140	GB/T3536, ASTM D92
Total Base Number, mgKOH/g	130-150	SH/T0251, ASTM D2896
Copper Corrosion(100°C,3h)	≤1b	ASTM D130

●Product Storage/Handling/Transportation/Package

The product is packed with iron drums with net weight of 180Kg/drum, suitable for all kinds of transportation.

For storage,transportation & lubricant blending, the temperature of the product shall not surpass 75°C; And it shall not surpass 45°C for long-term storage,The shelf life of this product is 24 months.

This product is non-flammable, non-explosive, and non-corrosive, does not need special protection. In case of accidental contact with skin, wash it off thoroughly with water and detergent.