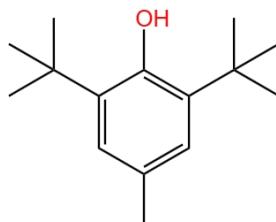


OSAIL® T501 is a highly efficient special antioxidant, also known as 2,6-Di-tert-butyl-p-cresol (BHT). It is commonly used as an antioxidant in rubber or plastics in the industry, helping to prevent the degradation of materials due to oxidation during the processing or long-term use. It can effectively inhibit or delay the oxidative degradation process of plastics and rubber, thereby extending their service life. Additionally, in petroleum products, it can prevent the increase of acid value or viscosity of lubricating oil and fuel oil, maintain the stability of the oil products, and prevent the increase of acid value and the formation of sediments.

CHEMICAL COMPOSITION



2,6-Di-tert-butyl-p-cresol (T501)

CAS No.: 128-37-0

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	White crystalline particle	Visual inspection
Initial melting point, °C	69.5	GB/T 617
Water content, %	≤0.05	GB/T 11133-2015
Ash content, %	≤0.01	GB/T 508
Free cresol, %	≤0.02	SH/T 0015 Appendix A

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Low cost, good antioxidant properties
- Can effectively prolong the induction period of oxidation
- When working in the environment below 100°C, the antioxidant effect is significant
- Good synergistic effect with amine antioxidant

APPLICATION

- Hydraulic oil
- Gear oil
- Transmission oil
- Grease

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: 0.1-1.0%

PACKAGING AND STORAGE

Packaging	25kg/bag (Net weight)
Storage conditions	Store in a cool, dry, well-ventilated warehouse

HANDLING INFORMATION

Avoid contact with skin, eyes and clothing. Operate in accordance with good industrial health and safety practices. Please refer to material safety data sheet (MSDS) for additional handling information on **OSAIL® T501**.

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