

PSAIL® T307S is a multifunctional ashless additive with excellent extreme pressure performance, anti-wear performance, and outstanding chemical stability. Compared to T307, this product not only has a lighter odor but also improved extreme pressure performance. It is widely used in various oil products such as medium and heavy-duty vehicle gear oils, as well as medium and heavy-duty industrial gear oils.

CHEMICAL COMPOSITION

Ammonium thiophosphate complex esters

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow clear liquid	Visual inspection
Density at 20℃, g/cm ³	0.98	GB/T 1884
Viscosity at 100℃, mm ² /s	16.2	GB/T 265
Flash point closed cup, °C	125.0	GB/T 261
Acid number, mgKOH/g	68.0	GB/T 264
Sulfur content, %	9.2	SH/T 0296
Phosphorus content, %	7.3	SH/T 0303
Nitrogen content, %	1.3	NB/SH/T 0656

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Ashless, environmentally friendly, and with less odor
- Excellent extreme pressure resistance, wear resistance, and high chemical stability

APPLICATION

- Medium and heavy-load vehicle gear oils
- Medium and heavy-load industrial gear oils, and other oil products

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: 0.2-1.5%

PACKAGING AND STORAGE

Packaging	50kg plastic drum or 180kg steel drum (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 **PSAIL®T307S**.

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