

PSAIL® 3540 is a light-colored, low-odor, highly active sulfur-based extreme pressure anti-wear agent. Low viscosity and good solubility with various base oils, it exhibits excellent reactivity even at low temperature. As temperature rises, the active sulphur level of PSAIL 3540 steadily increases. This renders it suitable for heavy-duty machining operations demanding rapid sulphur release. Furthermore, PSAIL 3540 may be blended with other phosphorus- and sulphur-containing additives.

CHEMICAL COMPOSITION

Sulphurised olefins CAS No.: 91770-97-7

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow to amber transparent liquid	Visual
Color	≤4.0	ASTM D1500
Density at 20℃, g/cm ³	1.0	GB/T 1884
Viscosity at 40℃, mm ² /s	45.0	GB/T 265
Flash point open cup, °C	154.0	GB/T 3536
Sulfur content, %	40.0	NB/SH/T 0303
Active Sulfur content, %	38.0	ASTM D1662
Copper corrosion, 100℃/3h	3b-4c	GB/T 5096

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- High sulfur content provides cost-effective formulating options on a percent sulfur basis
- Light in colour, low in odour
- High EP performance
- Good compatibility with various base oils

APPLICATION

- Gear oil, anti-wear hydraulic oil
- Lubricating grease
- Various metalworking oils (turning, drilling, grinding, tapping and other machining processes)
- High active sulfur content; avoid using for machining non-ferrous metals such as copper and aluminum

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding.
- Recommended treat level: Metalworking oil 1.0-20.0%; Metalworking fluid 1.0%-5.0%

RELATED PRODUCTS

- RC 2540

PACKAGING AND STORAGE

Packaging	50kg plastic drum or 200kg 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®3540**.

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