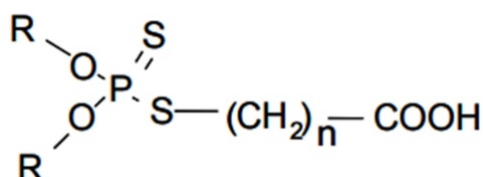


PSAIL® 3530 is an ashless EP/AW additive with dialkyl dithiophosphate structure, especially suitable for industrial lubricating oils with FZG test requirements, such as industrial gear oil, anti-wear hydraulic oil containing ZDDP, lubricating grease and metal processing oil.

CHEMICAL COMPOSITION



Phosphorothioate acrylate derivatives

CAS No.: 268567-32-4

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow clear liquid	Visual inspection
Density at 20℃, g/cm ³	1.09	GB/T 1884
Viscosity at 40℃, mm ² /s	60.0	GB/T 265
Acid number, mgKOH/g	130.0	GB/T 264
Flash point open cup, °C	>170.0	GB/T 3536
Water content, %	0.06	GB/T 11133
Sulfur content, %	19.8	SH/T 0303
Phosphorus content, %	9.3	SH/T 0296

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Can be added to lubricating oil formula requiring high-temperature thermal oxidation stability
- Excellent extreme pressure performance (helpful to pass FZG test)
- Good compatibility with water, calcium-based detergent, ZDDP, etc
- Helpful to pass FZG micro-pitting test, and will not antagonize the protection of iron and non-ferrous metals

APPLICATION AND RECOMMENDED DOSAGE

- Turbine oil: 0.01~0.1%
- Hydraulic oil: 0.01~1.0%
- Gear oil: 1.0~2.0%
- Metalworking fluid: 0.1~2.0%

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding

RELATIVE PRODUCTS

- IRGALUBE 353

PACKAGING AND STORAGE

Packaging	50kg/200kg plastic 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®3530**.

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