UNPCHEMICALS

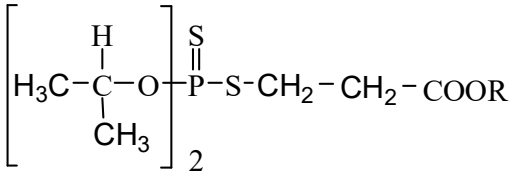
EXTREME PRESSURE ANTI-WEAR AGENTS

PSAIL® SERIES

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PSAIL® 6300 is an efficient ashless extreme pressure and anti-wear additive with a dialkyl dithiophosphate structure. Compared with ZnDTP based lubricating oil, it can provide lower friction coefficient, and can also prepare engine oil with low phosphorus content (0.08%).

CHEMICAL COMPOSITION



Phosphorothioate acrylates CAS No.: 71735-74-5

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	5.5	GB/T 265
Flash point open cup, ℃	158.0	GB/T 3536
Acid number, mgKOH/g	0.8	GB/T 264
Sulfur content, %	21.5	SH/T 0303
Phosphorus content, %	9.7	SH/T 0296

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Good solubility and easy blending
- It can achieve a good anti-wear effect with a relatively low addition amount
- Compared with the use of ZDDP, it can provide a lower friction coefficient
- Suitable for formulating engine oil with a low phosphorus content (0.08%)

APPLICATION

- Industrial lubricant oil and greases
- Engine oil

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- It can partially replace ZnDTP to be used in commercial engine oil compounding additives
- Recommended dosage: Industrial lubricants and greases: 0.2-0.8%
  Engine oil: 0.5%

RELATIVE PRODUCTS

- IRGALUBE 63

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®6300*.

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