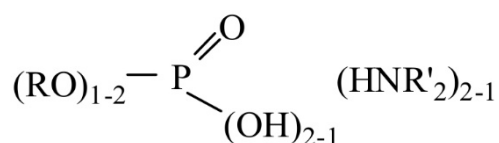


PSAIL® 3490 is a mixture of amine phosphate salt, which is a multifunctional ashless additive with extreme pressure, anti-wear and anti-rust properties. As an ashless additive, it does not produce ash as combustion by-products, reducing engine deposits and harmful emissions. This extensive combination of traits sets it apart as a highly valuable choice for wide-ranging applications, driving enhanced performance and durability in lubricants and machinery.

CHEMICAL COMPOSITION



Amine-neutralized hexyl phosphate

CAS No.: 80939-62-4

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Colorless to yellowish clear liquid	Visual inspection
Density at 20℃, g/cm ³	0.93	GB/T 1884
Viscosity at 100℃, mm ² /s	61.0	GB/T 265
Flash point open cup, °C	161.0	GB/T 3536
Acid value, mgKOH/g	127.0	GB/T 264
Phosphorus content, %	4.5	SH/T 0296
Nitrogen content, %	2.5	NB/SH/T 0656

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Provide multi-functional extreme pressure, anti-wear and corrosion inhibition properties
- Improve the friction characteristics and micro-pitting capacity of lubricating oil and grease (FZG method)
- Enhance extreme pressure and wear resistance when used in combination with **PSAIL® T309**
- Good oil solubility, easy to deploy

APPLICATION AND RECOMMENDED DOSAGE

- Industrial lube oil: 0.1~0.5%
- Engine oil and power transmission oil: 0.2~0.5%
- Grease: 0.5~1.0%
- Synthetic and semi-synthetic lubricants: 0.5~1.0%
- Metalworking fluid (especially rolling oil): 0.3~0.5%

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- It is not recommended to add into the formula containing calcium salt

RELATIVE PRODUCTS

- IRGALUBE 349, RC 3760

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®3490**.

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