

PMET® PE1310 is isomer alcohol ether phosphate ester structure, which is an efficient extreme pressure anti-wear agent. It has emulsifying and corrosion inhibition properties and is widely used in metalworking fluids (emulsions, semi-synthetics), rolling emulsions and Fire-resistant hydraulic oil.

CHEMICAL COMPOSITION

Isomeric alcohol ether phosphate ester

CAS No.: 78330-24-2

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow transparent liquid	Visual inspection
Density at 20℃, g/cm ³	1.0	GB/T 1884
Viscosity at 40℃, mm ² /s	63.0	GB/T 265
Acid number at pH=5.5, mgKOH/g	76.0	Potentiometric titration
Flash point closed cup, °C	160.0	GB/T 261
pH value, 1% aqueous solution	2.3	pH meter
Water content, %	0.19	GB/T 11133

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Excellent lubricity and EP/AW characteristics
- Good emulsifying properties
- Contributes to corrosion protection of steel and aluminum
- Minimizes leaching of copper and cobalt

APPLICATION

- Can be used for pure oil and a variety of water-soluble metal processing fluid formula, extreme pressure, lubrication, emulsification, rust prevention, aluminum corrosion inhibition and other multi-functional additives
- Mainly used in emulsion and semi-synthetic formula, it has outstanding effect on stainless steel and aluminum alloy processing, and has good tool protection effect

USAGE METHOD

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

RELATED PRODUCTS

- HORDAPHOS 1306, RHODAFAC RS610

PACKAGING AND STORAGE

Packaging	50kg/200kg plastic drum (net weight)
Storage conditions	Store in a cool, dry, well-ventilated warehouse

HEADLING 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 **PMET® PE1310**.

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