UNPCHEMICALS

EXTREME PRESSURE ANTI-WEAR AGENTS

PSAIL® SERIES

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PSAIL® PS32 is an efficient lubricating oil extreme pressure additive, suitable for use in various pure oil and emulsified oil formulations, but not suitable for the processing of copper alloys. It is an efficient dialkyl pentasulfide with good solubility that can dissolve in mineral oil, synthetic base oil, and various common solvents, but it is insoluble in water.

CHEMICAL COMPOSITION

Tertiary dodecyl polysulfide CAS No.: 68425-15-0

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow clear liquid	Visual inspection
Density at 20℃, g/cm^3	1.01	GB/T 1884
Viscosity at 40℃, mm^2/s	150.0	GB/T 265
Flash point closed cup, ℃	140.0	GB/T 261
Sulfur content, %	30.1	SH/T 0303

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- High sulfur content, reactive sulfur, not suitable for non-ferrous metals
- Chlorine free
- Good compatibility with other additives

APPLICATION

- Gear oil
- Grease
- Metalworking oil

USAGE METHOD

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

RELATIVE PRODUCTS

- TPS 32

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® PS32*.

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