

**PSAIL® 3220X** is based on a trixylenyl phosphate (TXP) structure, and serves as an effective ashless extreme-pressure (EP) and anti-wear additive. It demonstrates exceptional lubricating properties and superior thermal-oxidative stability, while exhibiting excellent synergistic effects with other phosphorus-, sulfur- and chlorine-based extreme pressure additives. This versatile additive can be employed as an extreme pressure/anti-wear agent in various lubricants and functional fluids, and is also widely utilized as a base stock for high-performance, fire-resistant hydraulic oils.

## CHEMICAL COMPOSITION

Trixylyl phosphate

CAS No.: 25155-23-1

## TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Colorless to light-yellow transparent liquid	Visual inspection
Density at 20℃, g/cm <sup>3</sup>	1.15	GB/T 1884-2000
Viscosity at 40℃, mm <sup>2</sup> /s	46.0	GB/T 265-1988
Flash point open cup, °C	≥230.0	GB/T 3536-2008
Acid number, mgKOH/g	≤0.1	GB/T 264-1983
Phosphorus content, %	7.8	NB/SH/T 0824-2010
Water content, %	≤0.1	GB/T 11133-2015

*Note: The above analytical data are not specifications.*

## PERFORMANCE CHARACTERISTICS

- Shows excellent compatibility with phosphorus-, sulfur- and chlorine-based extreme pressure additives
- Features superior solubility, low volatility, minimal odor and low skin irritation potential
- Provides excellent lubrication performance with outstanding thermal-oxidative stability

## APPLICATION

- Industrial oils
- Metal working fluids
- Grease
- Fire-resistant hydraulic oil

## USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended dosage: 0.5%-4.0%

## RELATIVE PRODUCTS

- Durad 220X

## PACKAGING AND STORAGE

<b>Packaging</b>	50kg plastic drum or 230kg steel drum (Net weight)
<b>Storage conditions</b>	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®3220X**.

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