

Supplier - SMART OIL
SmartPhos P3216
Phosphite Ester
Phosphate Containing Additives

Typical Properties

Appearance	Clear Yellow Liquid
Specific Gravity@25°C	0.850-0.950
Viscosity@40°C, cSt	25 - 35
Phosphorus Content, %wt	> 5.0
Acid Value, mgKOH/g	< 70
Flash Point, °C	> 170
P _B /P _D , kg+	100 / 160

*4 Ball Wear Test; 5% additive in SN150, Server Motor Speeds reach 1500rpm (P_B) and 1760rpm (P_D) in 0.03sec.

Product Description

SMARTPHOS P3216 is a light color, low odor phosphite ester; which has good compatibility with mineral oils, synthetic oils and esters. The product can be applied to the oil-based or oil-based formulations to booster the anti-wear and extreme pressure characteristics.

SMARTPHOS P3216 has good hydrolytic and thermal stabilities; so it can be used in severe applications like rolling fluid .

SMARTPHOS P3216 can replace animal fats and chlorinated paraffins in formulations, smoke evolution and tool consumption can hence be reduced. Beside, when the product is used together with sulfur-containing additive, synergistic effect can be attained. The dosage of sulfur compound can be reduced, and product cleanliness and precision can be effectively elevated.

SMARTPHOS P3216 is suitable for processing yellow metals.

Print date: 09-01-26

Disclaimer: Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.