Supplier - SMART OIL
SmartPhos P3212

Tridodecyl Phosphite
Phosphate Containing Additives

## **Typical Properties**

## **Product Description**

**SMARTPHOS P3212** is a light color, low odor, and high phosphorus product; which has good compatibility with mineral oils, synthetic oils and esters. The product can be applied to the oil-based formulations to booster the anti-wear and extreme pressure characteristics.

**SMARTPHOS P3212**has good hydrolytic and thermal stabilities; so it can also be used in water-based formulations. It contains no phenolic compound and has no adverse effect on the environment.

**SMARTPHOS P3212** 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 P3212** can be applied in formulations of ferrous and non-ferrous metals. It is specially good in rolling oil applications.

**Applications**General Application

Suggested Treat Rates, %wt 0.5 - 10

Print date: 23-10-25

<sup>&</sup>lt;sup>+</sup>4 Ball Wear Test; 5% additive in SN150, Server Motor Speeds reach 1500rpm (P<sub>B</sub>) and 1760rpm (P<sub>D</sub>) in 0.03sec.