

Supplier - SMART OIL  
**SmartPhos 3273**  
*Phosphite Ester*  
*Phosphate Containing Additives*

### Typical Properties

Appearance	Clear Transparent
Specific Gravity@25°C	0.800-0.900
Viscosity@40°C, cSt	16-18
Phosphorus Content, %wt	>4.5
Acid Value, mgKOH/g	<30
Flash Point C.O.C., °C	145
P <sub>B</sub> /P <sub>D</sub> , kg+	71/ 126

\*\*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.

### Product Description

**SMARTPHOS P3273** is a long chain phosphite ester additive which has good lubrication, anti-friction, anti-wear, extreme pressure and antioxidant characteristics; the product can effectively boost the machining accuracy and extend the tool life. Besides, the low acid property can get the shelf life of working fluid prolonged.

**SMARTPHOS P3273** is non-corrosive and can be used to process non-ferrous and ferrous metals. Its high extreme pressure and anti-wear characteristics can get the tool and fluid life extended.

**SMARTPHOS P3273** is a molecule, belong to large molecular structure; and good thermal stability, which get it have good hydrolytic stability.

**SMARTPHOS P3273** can be used in the formulation of water-based fluid for rolling, forming or stamping process.

#### Applications

General application

#### Suggested Treat Rates, %wt

0.5-3

Print date: 29-04-26

**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.