Supplier - SMART OIL
SmartPhos P7850

Phosphate Containing Additives Cetyl-Oleyl Alkyl Phosphate Ester

## **Typical Properties**

Appearance
Specific Gravity@25°C
Viscosity@40°C, cSt
Phosphorus Content, %wt
Acid Value, mgKOH/g
P<sub>B</sub>/P<sub>D</sub>, kg+
Std Packaging (NW / GW, Kg)

Light Yellow To Amber Liquid 0.900 - 1.200 3000-4000 > 8 < 240 94 / 315 217.0 / 200.0

## **Product Description**

**SMARTPHOS P7850** is a superior light color, low odor phosphate ester; which can be used for formulated into both water-based or oil-based cutting fluids.

**SMARTPHOS P7850** is a multifunctional additive that possesses anti-wear, anti-corrosion, wetting, emulsifying, detergency and dispersant characteristics. It is suitable for use in rolling oils, water-based cutting fluids, glass cutting and polishing lubricants.

**SMARTPHOS P7850** can be blended with sulfur containing compound to achieve synergistic effect and cover different temperature ranges for lubricating, anti-wear and extreme pressure performance during processing.

**SMARTPHOS P7850** performs well in severe operations on difficult-to-machine metals. It can effectively reduce smog and improve surface finishing of the workpieces.

**SMARTPHOS P7850** can be used in oil-based formulations such as hydraulic, cutting and grinding oils to boost lubricity and anti-wear performance. In addition, it can function as anti-wear agent in water-based formulations to machine magnesium and aluminium materials.

SMARTPHOS P7850 is a biodegradable product that has limited harmful effect to environment.

ApplicationsSuggested Treat Rates, %wtOil-Based Formulations2 - 5Water-Based Formulations1 - 2

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