

Supplier - SMART OIL  
**Smart Base CF1104LK**  
*Light Color Universal Cutting Oil Package*  
*Light Color Cutting Oil Packages*

**Typical Properties**

Appearance	Clear Amber Liquid
Viscosity@40°C, cSt	20 - 50
Flash Point C.O.C., °C	> 150
Acid Value, mgKOH/g	8.0 - 10.5
Sulfur Content (Active), %wt	10 - 15 (<3.5)
Fat Content, %wt	> 20
P <sub>B</sub> /P <sub>D</sub> , kg+	71 / 315

\*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**

**SMART BASE CF1104LK** is a universal neat oil package for the applications of machining, cutting and forming on yellow and ferrous metals. It contains extreme pressure (EP) and anti-wear additives, which can effectively avoid welding at metal contact points between the workpiece cutting tools, so can prolong tool life. Moreover, it contains wetting agent that can effectively elevate the quality of surface finishing of the workpieces.

**SMART BASE CF1104LK** contains small amount of active sulfur, but suitable for both yellow and ferrous metals as trace amount of corrosion inhibitor has been added to avoid copper corrosion. It does not contain any chlorinated paraffin, and is environmentally friendly.

**Applications**

Yellow Metals  
 Ferrous Metals  
 Stainless Steels

**Suggested Treat Rates, %wt**

2 - 3  
 5 - 10  
 10 - 20

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.*