

Supplier - SMART OIL

**Smart Base CR-2050**

*Chlorine Replacement Additives  
Light Color Sulfurized Sulphonate*

Typical Properties

Appearance	Clear Amber Liquid
Specific Gravity@25°C	1.050 - 1.150
Viscosity@40°C, cSt	20 - 60
Sulfur Content,%wt	4 - 5
Fatty Ester Content, %wt	40 - 60
Flash Point C.O.C., °C	> 160
Std Packaging (NW / GW, Kg)	217.0 / 200.0

Product Description

**SMART BASE CR-2050** is a clear amber EP additive to replace chlorinated paraffin. It can be used in cutting oil formulations for heavy-duty metalworking.

**SMART BASE CR-2050** will not stain non-ferrous metals, so it can be used for operations on non-ferrous and ferrous metals. It offers superior AW and EP properties to prolong tool life.

**SMART BASE CR-2050** contains high volume of fat, thus can improve surface finishing of the workpieces.

**SMART BASE CR-2050** can replace chlorine on one-to-one basis. For example, a cutting oil contains 4% of 50% chlorinated paraffin bringing to the formula 2% chlorine, therefore, 2% **SMART BASE CR-2050** would substitute the product.

**SMART BASE CR-2050** is used in neat oil formulations mostly and not recommended for use in water-based product formulations (soluble oil, semi-synthetic and synthetic).

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