

Supplier - SMART OIL

## Smart Base CR-2040

*Dark Color Sulfurized Sulphonate*

*Chlorine Replacement Additives*

### Typical Properties

Appearance	Deep Brown Liquid
Specific Gravity@25°C	1.050 - 1.150
Viscosity@40°C, cSt	100 - 200
Sulfur Content , %wt	> 2.3
Fatty Ester Content, %wt	> 55
Flash Point C.O.C., °C	> 160

### Product Description

**SMART BASE CR-2040** is an EP additive to replace chlorinated paraffin; it can be used in cutting oil formulations for heavy duty metalworking applications.

**SMART BASE CR-2040** 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-2040** contains high volume of fat, thus can improve the surface finishing of the workpieces.

**SMART BASE CR-2040** can replace chlorine on one-to-one basis. For example, a cutting oil contains 4% of a 50% chlorinated paraffin bringing to the formula 2% chlorine, therefore, 2% **SMART BASE CR-2040** would substitute the product.

**SMART BASE CR-2040** is used in neat oil formulations mostly and not recommended for use in water-based product formulations.

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