

Supplier - SMART OIL

## Smart Base CR-2050

*Light Color Sulfurized Sulphonate*

*Chlorine Replacement Additives*

### Typical Properties

Appearance	Clear Amber Liquid
Specific Gravity@25°C	1.000 - 1.100
Viscosity@40°C, cSt	20 - 60
Sulfur Content,%wt	> 2.5
Fatty Ester Content, %wt	40 - 60
Flash Point C.O.C., °C	> 160

### 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).

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.*