

Supplier - SMART OIL  
**Smart Base 1120**  
*Dark Color Sulfurized Additives*  
*Sulfurized Fatty Oil*

### Typical Properties

Appearance	Dark Brown Liquid
Specific Gravity@25°C	0.950 - 1.000
Viscosity@40°C, cSt	450 - 950
Sulfur Content (Active ), %wt	10 - 12 (0)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 170
Copper Corrosion+	1B
P <sub>B</sub> /P <sub>D</sub> , kg++	88 / 250
Std Packaging (NW / GW, Kg)	217.0 / 200.0

### Product Description

**SMART BASE 1120** is a premium inactive sulfurized lard oil additive; suitable for machining different kinds of ferrous and non-ferrous metals.

**SMART BASE 1120** will not cause corrosion of brass and bronze under normal machining condition; so suitable for severe operations on non-ferrous metals.

**SMART BASE 1120** possesses superior EP and lubricity properties; suitable for waylube, cutting oil and rolling oil formulations.

**SMART BASE 1120** can be blended with tackifier such as SmartTac H and Group I ISO 68 and ISO 220 grade base oil to prepare for the heavy-medium way lubricant of the CINCINNATI MILACRON P-47 and heavy way lubricant of the CINCINNATI MILACRON P-47 respectively.

Recommended treat rate is: **SMART BASE 1120** 5%, **SmartTac H** 0.5%, Base Oil 94.5%.

#### Applications

Threading  
 Tapping  
 Tapping  
 Rolling Oil

#### Suggested Treat Rates, %wt

10 - 15  
 10 - 20  
 10 - 20  
 3 - 10

Print date: 30-04-24

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