

Supplier - SMART OIL  
**Smart Base 1217DN**  
*Sulfurized Fatty Oil*  
*Dark Color Sulfurized Additives*

### Typical Properties

Appearance	Dark Brown Liquid
Specific Gravity@25°C	1.000 - 1.100
Viscosity@40°C, cSt	300 - 450
Sulfur Content (Active), %wt	17 - 19 (6)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 180
Copper Corrosion+	4B
P <sub>B</sub> / P <sub>D</sub> , kg++	94 / 315

### Product Description

**SMART BASE 1217DN** is a sulfurized lard oil additive with low viscosity, suitable for machining various kinds of ferrous metals.

**SMART BASE 1217DN** is designed for use in formulations of neat oil operation on difficult-to-machine ferrous metals.

**SMART BASE 1217DN** contains active sulfur, which is not recommended for the machining of copper, brass, or bronze alloys.

Applications	Suggested Treat Rates, %wt
Threading	10 - 20
Tapping	10 - 20
Cold Heading (Cut Side Only)	20 - 30
Threading	10 - 20
Turning	5 - 10

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