

**Typical Properties**

Appearance	Dark Liquid
Specific Gravity@25°C	1.000 - 1.200
Viscosity@40°C, cSt	150 - 500
Sulfur Content (Active), %wt	> 8 (< 4)
Fat Content, %wt	> 20
Flash Point C.O.C. °C	> 160
P <sub>B</sub> /P <sub>D</sub> , kg+	82 / 250
Std Packaging (NW / GW, Kg)	228.0 / 245.0

**Product Description**

**SMART BASE 1103SSF** is a dark brown neat oil package designed for the applications of drawing, forming and cutting on ferrous metals and stainless steels.

**SMART BASE 1103SSF** contains sulfur, High Molecular Wt Polymeric Ester and fatty lubricants with high wetting property, which can effectively reduce operation load and frictional impedance at the contact surfaces.

**SMART BASE 1103SSF** possesses excellent lubricity and EP properties, which can improve surface finishing of the workpiece and avoid welding at the contact points.

**SMART BASE 1103SSF** contains active sulfur additives, so it is not recommended for the applications on yellow metals.

**SMART BASE 1103SSF** has gentle smell, evolving less smoke during severe operations.

**SMART BASE 1103SSF** has low viscosity, so that it is convenient to be blended. With special formulation, the product can complete the whole cutting operation with low treat rate. It is a unique cutting oil package.

Applications  
General Application

Suggested Treat Rates, %wt  
5 - 20

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