

Supplier - SMART OIL  
**SmartLub S9010**  
*Boundary Lubricating Additives*  
*Stamping Package*

**Typical Properties**

Appearance	Clear Pale Yellow Liquid
Specific Gravity@25°C	0.800 - 0.900
Viscosity@40°C, cSt	< 15
Acid Value, mgKOH/g	< 15
Flash Point C.O.C., °C	> 100
Std Packaging (NW / GW, Kg)	180.0 / 170.0

**Product Description**

**SMARTLUB S9010** is a stamping oil/vanishing oil package. It exhibits better cleaning, lubricity and anti-rust properties than conventional additives.

**SMARTLUB S9010** provides excellent lubricity and wetting characteristics to improve the performance and surface finishing of the workpieces. It also features superior anti-rust property for in-process protection. Moreover, it leaves few residue after operation, so is specially used for stamping and punching operations on copper, aluminum, non-ferrous materials, silicon steel sheets and galvanized sheets.

**SMARTLUB S9010** contains no petroleum oil, yet is oil soluble. It can be formulated with different grades of vanishing oils using mineral spirits of different flash points.

**SMARTLUB S9010** is not a true extreme pressure additive, but it is compatible with chlorinated, sulfurized, and phosphorus containing additives.

**SMARTLUB S9010** can be used in soluble oils, semi-synthetic and synthetic fluids.

<b>Applications</b>	<b>Suggested Treat Rates, %wt</b>
Light Duty Stamping and Forming	1 - 3
Grinding And Honing	3 - 5
General Cutting	5 - 10
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