



## Technical Data sheet

# ILS-DURAGUARD 223

Chlorine free vanishing oil

### Description

**ILS DURAGUARD 223** is a low viscosity, chlorine and heavy metal free, metal stamping fluid. It is a blend of high lubricity boundary lubrication additives, in a low odour, de-aromatized hydrocarbon.

### Typical Applications

**ILS DURAGUARD 223** is specially formulated for use in light duty sheet stamping operations where very low residues are required, in most cases eliminating the need for inter process cleaning. It is suitable for use on light gauge uncoated steels as well as zinc coated steels, and yellow metals.

### Advantages

- Quick drying, low residue
- Excellent health, safety and environmental profile – Good operator acceptance
- Formulated on mild odour, very low aromatic (de-aromatized) hydrocarbon solvent
- Free of Chlorine and Heavy metals
- Improves punch life and provides excellent surface finish
- Provides good component release and reduces pickup
- Provides Short term corrosion protection

### Typical Properties

Name	Test Method	Units	
Appearance	Visual	-	Clear, colourless fluid
Density @ 15 °C	DIN 51 757 / ASTM D 1298	kg/m3	783
Viscosity @ 20°C	DIN 51 562	mm2/s	1.6
Flash Point	ISO 2592	°C	>62
Copper corrosion (3 hr @ 100°C)	DIN 51 759 T1 / ASTM D 130		1a

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