



INDUSTRIAL  
LUBRICANTS &  
SERVICES LIMITED

## 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/m <sup>3</sup>	783
Viscosity @ 20°C	DIN 51 562	mm <sup>2</sup> /s	1.6
Flash Point	ISO 2592	°C	>62
Copper corrosion (3 hr @ 100°C)	DIN 51 759 T1 / ASTM D 130		1a

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. See [www.ils.co.nz](http://www.ils.co.nz) No responsibility is taken by either ILS LTD for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.