

**Product Data** 

### **Iloform PN 223 EU**

Chlorine free vanishing forming oil

## **Description**

Castrol Iloform™ PN 223 EU is a low viscosity, chlorine and heavy metal free metal stamping fluid. It is a mixture of lubricity additives in a low odour dearomatised hydrocarbon solvent base.

### **Application**

Iloform PN 223 EU can be used in light duty sheet stamping operations where very low residues are required, eliminating the need for inter-process cleaning. The fluid is especially recommended for use in electrical stamping applications as well as on light gauge uncoated steels and zinc coated steels and yellow metals.

### Advantages

- Chlorine and heavy metal free which may help to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded
- Fluid based on a low odour dearomatised hydrocarbon solvent
- Contains lubricity additives to maximise punch life and provide excellent surface finish. Helps to minimise the costs associated with tool re-polishing.
- · Quick drying, low residue characteristics can eliminate the need for inter-process cleaning
- Fluid gives a thin, homogeneous lubricating film on metal surfaces
- Low viscosity aids flushing effect to remove particles from punches and dies and it can also help to minimise product drag out
- Can provide limited inter-process corrosion protection

# **Typical Characteristics**

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear colourless to yellow liquid
Density @ 15 °C	ASTM D1298	g/ml	0.769
Kinematic Viscosity @ 20 °C	ASTM D445	mm²/s	1.6
Flash Point, PMCC	ASTM D93	°C	> 62
Copper Corrosion, 3hrs @ 100 °C	ASTM D130	-	1a

#### **Additional Information**

Additives	Ester	Active Sulphur	Inactive Sulphur	Phosphorous	Chlorine	Other
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## **Storage**

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

Iloform PN 223 EU 02 Jan 2015

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 $Castrol\ Industrial, Technology\ Centre\ ,\ Whitchurch\ Hill\ ,\ Pangbourne\ ,\ Reading\ ,\ RG8\ 7QR\ ,\ United\ Kingdom$ 

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