



## Castrol Iloform PN 11

Chlorine free vanishing oil

### Description

Castrol Iloform™ PN 11 is a low viscosity, chlorine and heavy metal free, vanishing metal stamping fluid. It is a blend of high lubricity boundary lubrication additives and wetting agents, in de-aromatised hydrocarbon solvent. Iloform PN 11 is leaving a very thin lubricity film on the metal surface.

### Application

Iloform PN 11 is specifically formulated for use in light duty sheet metal stamping operations where very low residues are required, in most cases eliminating the need for inter-process cleaning.

It is particularly designed for stamping of aluminum and ferrous parts, such as windshields and clips and blanking of aluminium sheet metal of < 1mm thickness. Further it is suitable for light duty pressing operations of carbon steel, alloyed steel and non ferrous metals as well as tube drawing and aluminium wire weaving applications.

### Advantages

- Excellent lubricity and wetting properties improve tool life
- Leaves an almost imperceptible residue which, if necessary, is easy to wash off even after the storage
- Formulated with a selected low aromatic hydrocarbon solvent that supports quick drying
- Low viscosity promotes heat transfer
- Allows welding without degreasing
- Economical and versatile in use - compatible with all metals

### Typical Characteristics

Name	Method	Units	Value
Appearance	-	-	Yellow liquid
Relative Density @ 15 °C	NFT 60-172	kg/m <sup>3</sup>	771
Flash Point	IP 170	°C	> 35

### Typical Physical Characteristics

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Ester	Active Sulphur	Inactive Sulphur	Phosphorous	Chlorine	Other
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