



## Product Data

# Castrol Iloform TDN81

Chlorinated High EP Neat Forming Oil

### Description

**Castrol Iloform TDN81** is a viscous neat oil blended from solvent refined mineral oil with highly chlorinated, EP and fatty additives.

### Application

**Castrol Iloform TDN81** is recommended for the following:

- Tube drawing and extruding of stainless steel and high nickel alloys.
- Cold-forming of “hard to handle” materials such as stainless steels and nickel/chrome alloys.
- Deep drawing of difficult steels such as high nickel/chromium alloys, titanium alloys and nimonics, and also suitable for aluminium alloys.
- May also be used as an EP additive booster for neat cutting oils.

### Benefits

**\*When used in tube drawing, provides:**

- Maximum reduction per pass
- High internal and external finish due to high welding resistance
- Close wall tolerances
- Low wear on mandrel and dies
- Reduction in frictional wear

**\*When used on deep drawing, provides:**

- Freedom from scoring due to high welding resistance
- Reduction of scrap
- Ease of application
- Ease of removal
- Better surface finish

**\*When used in cold heading, provides:**

- Excellent EP properties
- Improved die life
- Reduction in temperature
- Reduced pick-up and scoring
- Good surface finish due to high welding resistance

**\*Easily degreased in either solvent vapour or alkaline bath.**

**B724/89/5**  
**Bulk Item Code 025304**

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## Technical Data

Appearance	Clear, pale brown fluid
Density at 15°C	1.154
Viscosity @ 40°C	105 cSt
Flash Point (Closed)	220°C

The above figures are typical values and do not constitute a specification.

## Health, Safety & Environment

See separate Material Safety Data Sheets available on request.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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