



# Ilocut 532 MP

Multi-purpose neat cutting oil

## Description

Castrol Ilocut™ 532 MP is a chlorine and heavy-metal free, multi-purpose neat cutting oil. Formulated from highly refined base oils, it can also be used as a hydraulic oil conforming to ISO 6743/4 Type HM and DIN 51502 Class HLP-D specification.

Castrol Ilocut 532 MP is suitable for large central systems and single sump machines.

## Application

Castrol Ilocut 532 MP is designed for general machining of ferrous as well as non-ferrous materials. It does not contain active sulphur and is hence compatible with yellow metals as well.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low-medium alloyed steel	High alloyed steel / nickel- chromium alloys	Titanium alloys	Aluminium alloys	Yellow metals
Honing / Super finishing						
Grinding						
Drilling						
Broaching / Gear manufacturing						
General machining	ü ü	ü			ü ü	ü ü

## Advantages

- Truly multipurpose – spent hydraulic oil can be used as a neat cutting oil thereby reducing overall cost
- Excellent detergency and dispersancy properties preventing residues or deposits on work piece
- Excellent wetting characteristics reduce drag out and result in lower product usage
- Good filtering characteristics and high oxidation stability increases product lifetime
- Our chlorine and heavy-metal free formulation improves the environmental profile and reduces disposal costs

## Typical Characteristics

Name	Test Method	Unit	Ilocut 532 MP
Appearance	Visual		Yellow
Specific Gravity @ 15°C / 59°F	ASTM D1298 / ISO 3675	g/l	870
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	32
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	205 - 400
Copper corrosion (3 hrs@100°C/212°F )	ASTM D130 / ISO 2160	Rating	1a

## Typical Physical Characteristics

	Ester	Active Sulphur	Inactive Sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives				ü			

## 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.

Ilocut 532 MP

18 Dec 2014

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