

**Product Data**

## Castrol Ilocut 154

High performance neat cutting oil

### Description

Castrol Ilocut™ 154 is a chlorine and heavy metal free neat cutting oil.

### Application

Ilocut 154 is designed for general machining of medium alloyed steel and non-ferrous metals.

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

### Advantages

- Advanced additive technology gives high extreme pressure (EP) lubricity properties and lowering production costs through extended tool life
- Improved surface finish and increased cutting speeds leads to improvement of process efficiency
- Multi-metal compatibility using our superior additive technology provides opportunity for product consolidation
- Our chlorine and heavy metal free formulation improves the environmental profile and reduces disposal costs

## Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Brown
Viscosity @ 40°C	DIN 51562	mm <sup>2</sup> /s	35
Viscosity@ 100°F	ASTM D 446	[SUS]	184
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m <sup>3</sup>	877
	Calculated	lbs/gal	7.32
Flashpoint COC	ISO 2592	°C	>190
	ASTM D 92	°F	>370
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100°C	1b

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	+	-	+	-	-	-	-

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Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK  
[www.castrol.com/industrial](http://www.castrol.com/industrial)

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