



Product Data Sheet

Ilocut™ 11

High performance neat cutting oil

Description

Castrol Ilocut™ 11 (previously called Ilobroach™ 11) is a highly chlorinated, sulphur and heavy metal free neat cutting oil.

Application

Ilocut 11 offers our highest machining performance for broaching and gear manufacturing of steels, stainless steels and difficult nickel alloys. This product is compatible with non-ferrous metals.

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	Titanium alloys	Aluminium alloys	Yellow metals
Honing/Superfinishing						
Grinding						
Drilling	ü	ü	ü	ü	ü	ü
Broaching/Gear manufacturing	ü ü	ü ü	ü ü	ü	ü ü	ü ü
General Maching	ü ü	ü ü	ü	ü	ü ü	ü ü

Advantages

- Advanced additive technology gives high extreme pressure (EP) lubricity properties, lowering production costs through extended tool life, improved surface finish and increased cutting speeds
- High EP lubricity properties minimise temperature built up and smoking, resulting in improved operator acceptance
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- Low odour, light colour and low mist result in operator acceptability

Typical Characteristics

Name	Method	Units	Ilocut 11
Appearance	Visual	-	Pale Yellow
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m ³	1.02
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	18
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	198
Copper corrosion (3 hrs @ 100°C/212°F)	ASTM D130 / ISO 2160	Rating	1b

Subject to usual manufacturing tolerances.

Typical Physical Characteristics

	Ester	Active sulphur	Inactive sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives	ü					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.

This product was previously called Ibroach 11. The name was changed in 2015

Ilocut™ 11

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