Product Data

Ilocut 489

High performance neat cutting oil

Description

Castrol Ilocut™ 489 is a chlorinated, sulphur and heavy metal free neat cutting oil.

Application

Castrol Ilocut 489 has been designed for general machining of ferrous and non ferrous alloys.

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/ Superfinishing						
Grinding						
Drilling						
Broaching	ü ü	ü	ü		ü ü	ü ü
Gear manufactoring	ü ü	ü	ü		ü ü	ü ü
General machining	ü ü	ü ü	ü		ü ü	ü ü

Advantages

- Multi-metal compatibility provides opportunity for product consolidation
- Low foam characteristics, even at high pressures and flow rates, can lead to increased production rates
- Selected additive technology can lead to extremely high cutting and grinding efficiencies, increased tool life, improved surface finish and lower overall operating costs
- Good filtering characteristics and high oxidation stability increase product lifetime

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		Pale Yellow
Viscosity @ 40°C	DIN 51562 ASTM D 445	mm²/s	35
Density @ 15°C	DIN 51757 ASTM D 1298	kg/l	0.89
Flashpoint COC	ISO 2592 ASTM D 92	°C	>180
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100 °C	1b

Additional Information

	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.

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