



Product Data

Honilo 980

High performance neat cutting oil

Description

Castrol Honilo™ 980 is a chlorine free, low viscosity neat cutting oil, which is sulphur and heavy metal free.

Application

Honilo 980 has been designed for honing and superfinishing of ferrous and non-ferrous materials. It can also be used for grinding applications, drilling and general machining of aluminium and yellow 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 alloys	Titanium alloys	Aluminium alloys	Yellow metals
Honing/ Superfinishing	ü ü	ü ü	ü		ü ü	ü ü
Grinding	ü	ü	ü		ü ü	ü ü
Drilling					ü ü	ü ü
Broaching/ Gear manufacturing						
General machining					ü ü	ü ü

Advantages

- Excellent flushing and lubrication properties extend honing stone life and enables high surface finish and dimensional accuracy
- Low viscosity and wetting properties reduces drag out and results in lower product usage
- Good filtration characteristics increase product lifetime
- Low odour and light colour improve operator acceptability
- Chlorine and heavy metal free which may help you to fulfil aspects of legislative requirements and waste treatment requirements where applicable

Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		Yellow
Viscosity @ 40°C	DIN 51562 ASTM D 445	mm ² /s	4,3
Viscosity @ 100°F	ASTM D 445	SUS	41
Density @ 15°C	DIN 51757 ASTM D 1298	kg/l	0.82-0.84
Flashpoint COC	ISO 2592 ASTM D 92	°C/°F	>125/>255
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100 °C	1b

Additional Information

	Ester	Active sulphur	Inactive sulphur	Phosphorus	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 to the product safety data sheet.

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