



Product Data

## Honilo 980

High performance neat cutting oil

### Description

Castrol® Honilo® 980 is a low viscosity neat cutting oil, formulated without chlorine, sulphur or heavy metals.

### 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 aluminum 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	Aluminum alloys	Yellow metals
Honing/ Superfinishing	ü ü	ü ü	ü	ü ü	ü ü	ü ü
Grinding	ü	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 odor and light color improve operator acceptability
- Formulated without Chlorine and Heavy Metals which may help you to fulfill aspects of legislative and waste treatment requirements where applicable

## Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual		Light Yellow
Viscosity @ 40°C	ASTM D 445	mm <sup>2</sup> /s	4.3
Viscosity @ 100°F	ASTM D 445	SUS	41
Density @ 15°C	ASTM D 4052	kg/l	0.82-0.84
Flashpoint COC	ASTM D 92	°C/°F	>125/>255
Copper corrosion	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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