

TECHNICAL DATA SHEET

ULTRA NC527

Code 7611

High performance neat cutting oil

DESCRIPTION

Callington Ultra NC527 is a chlorinated neat cutting oil developed using highly refined base oil and a combination of extreme pressure additives to help optimise performance during drilling operations. It can be used for general purpose drilling and deep drilling of ferrous metals, stainless steel and difficult alloys like inconel.



FEATURES AND BENEFITS

- 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
- Economic product suitable for a wide range of machining applications

APPLICATION

Ultra NC527 has been designed for drilling and deep hole drilling of steels, stainless steel and difficult steel alloys such as inconel.

This product contains active sulphur and is not compatible with yellow metals.

√√ suggested core application √ possible application, please consult a Callington representative prior to use

	Cast Iron	Low-Alloyed Steel	High alloyed steel / nickel chromium	Titanium alloys	Aluminium alloys	Yellow metals
Honing/ Superfinishing						
Grinding						
Drilling	√√	√√	√√			
Broaching/Gear manufacturing	√√	√√	√			
General Machining	√√	√√	√√			

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TYPICAL PHYSICAL CHARACTERISTICS

Properties	Standard	Unit	Data
Appearance	Visual		Amber
Viscosity @ 40°C	DIN 51562 ASTM D 445	mm ² /s	16
Density @ 15°C	DIN 51757	kg/l	0.89
	ASTM D 1298		
Flashpoint COC	ISO 2592 ASTM D 92	°C	>150
Copper corrosion	ISO 2160 ASTM D 130	3 hr at 100 °C	4c

Product Code	Packaging
7611/51	20 litres
7611/64	200 litres

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.

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