



CareCut S 600 E

High performance soluble metalworking fluid

Description

Castrol CareCut™ S 600 E is a high performance soluble metalworking fluid which is chlorine free and based on selected ester technology. It contains an additive package that helps to enhance machining performance and surface finish, provide excellent product stability and lower the overall operations costs.

CareCut S 600 E is suitable for large central systems and single sump machines.

Application

CareCut S 600 E is especially designed for machining aluminium alloys and steel.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow r
Grinding		ü ü	ü ü	ü ü		ü
Milling, Turning (general machining)		ü ü	ü ü	ü ü		ü
Drilling		ü ü	ü	ü ü		ü
Reaming, Tapping		ü	ü	ü ü		ü
Broaching		ü	ü	ü ü		ü

Advantages

- Good wetting properties can help to reduce coolant drag out and help deliver cleaner machine tools and componen
- Extended fluid life can help to reduce maintenance and downtime
- Low foam in recommended water conditions (see details below)
- Lubrication package designed to try to help enhance tool life and improve surface finish
- Chlorine and nitrite free which help you to fulfil aspects of legislative requirements and waste treatment requiremen where applicable

Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Yellow
Mineral oil content	Calculated	Wt%	3
Emulsion			
Appearance	Visual		Milky
pH (5%)	DIN 51369 ASTM E70-97		9.0
Refractometer Factor			1.2

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	5-7%
General Machining	6-8%
Drilling	6-8%
Reaming and tapping	7-9%
Broaching	8-10%

Water range 20-200 ppm CaCO₃

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives	ü	ü	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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17 Aug 2016
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