



Castrol Product LD 0192 SC

High performance soluble cutting fluid

Description

Castrol Product LD 0192 SC is a high-performance soluble cutting fluid which is formulated without boron and biocides. It contains an additive package that works in synergy to enhance machining performance and surface finish, provide good product stability and helps to lower the overall operations costs.

Product LD 0192 SC suitable for large central systems and single sump machines.

Application

Product LD 0192 SC is especially designed for machining of aluminum alloys. The product can also be used for machining of ferrous alloys.

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

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

Advantages

- Formulated without formaldehyde releasing agent and boron which help you to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded
- Extended fluid life can help reduce maintenance and machine downtime
- Low foam in recommended water conditions (see details below)
- Lubrication package designed to try to help to enhance tool life and improve surface finish on aluminium machining
- Good wetting properties can help reduce coolant drag out and help deliver cleaner machine tools and components
- Suitable for a wide range of materials and applications provides opportunity for product consolidation

Typical Characteristics

	Unit	Test Method	Value
Concentrate			
Appearance		Visual	Amber
Mineral oil content	Wt%	Calculated	53
Emulsion			
Appearance		Visual	Milky
pH (5%)		DIN 51369 ASTM E70-97	9.5
Refractometer Factor			1.0

Subject to usual manufacturing tolerances.

Recommended Concentration

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

Water range 100-800 ppm CaCO₃

Storage and Handling

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

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17/01/2022, version 1.0

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