

Q8 Brunel XF 111

Boron free, semi-synthetic biostable soluble cutting fluid for optimum machining

Q8 BRUNEL is a superior range of high performance soluble metalworking grades which are developed to challenge the demands and meet the needs of advanced engineering applications. The range which has an advanced safety profile is fully compliant with environmental and chemical legislation, free from boron, boric acid, formaldehyde, chlorine and secondary amines, the range is also suitable for use in both hard and soft water. Please refer to each product data sheet

Description

Q8 Brunel XF 111 is a low oil content semi-synthetic water soluble cutting and grinding fluid which will form a translucent emulsion when mixed with water. The advanced formulation provides an excellent chemical and biological stability and is clean in use due to its high detergency.

Application

- Q8 Brunel XF 111 is recommended for all general purpose optimum to medium duty machining and grinding applications on cast iron, steel, steel alloys, copper alloys and aluminium. Q8 Brunel XF 111 is a cost effective first choice product for the sub-contractor machining market.

Features and Benefits

- Free from Boron, Boric Acid, Formaldehyde, Chlorine, Secondary Amine
- TRGS 611 compliant
- Cost efficient product for the subcontractor market.
- Excellent corrosion protection
- Long sump life
- Advanced safety profile, please refer to the Reach MSDS

User Instructions

- Q8 Brunel XF 111 is easily mixed. The correct mixing procedure is to add Q8 Brunel XF 111 to water and stir. Positive displacement (Dosatron type) mixing units are recommended for this operation and are available on request. Recommended emulsion strengths are listed below. In certain applications it may be beneficial to run at higher concentrations than those stated.
- Further advice is available from your Q8 representative or from metal@Q8Oils.com

General machining	6 - 10.0%
General Grinding	5 - 6.0%

- In order to preserve the integrity of this product drums should be stored inside a building protected from frost and direct sunlight.

Environment, health and safety

- Reference should be made to the relevant Q8 REACH Material Safety Data Sheet before use



Properties	Method	Unit	Typical
Appearance (Neat)	-	-	Yellow Fluid
Appearance (Emulsion)	-	-	Translucent
Odour	-	-	Bland
Density, 20 °C	-	g/ml	1.018
pH Value, 3% emulsion	-	Unit	9.3
Corrosion Test	IP 287	-	4.0% breakpoint
Refractometer factor	-	-	1.9 (reading x factor = true concentration)

The figures above are not a specification. They are typical figures obtained within production tolerances.

