

Q8 Brunel XF 111

Optimum performance semi-synthetic biostable water-soluble cutting fluid

Description

Q8 Brunel XF 111 is a low oil content semi-synthetic water-soluble cutting and grinding fluid for all general purpose optimum to medium duty machining and grinding applications on cast iron, steel, steel alloys, copper alloys and aluminium. It forms a translucent emulsion when mixed with water. Thanks to its advanced formulation, Q8 Brunel XF 111 provides an excellent chemical- and biological stability and its high detergency offers advanced cleanliness.

Applications

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 subcontractor machining market.

User instructions

1. The correct mixing procedure is to add Q8 Brunel XF 111 to water and stir. For this operation we recommend positive displacement (Dosatron type) mixing units.
2. In order to preserve the integrity of this product, drums should be stored inside a building protected from frost and direct sunlight.
3. Recommended concentrations are listed below.

General machining	6 – 10 %
General grinding	5 - 6 %

Note: In some circumstances and applications, it is beneficial to exceed the recommendations shown above.

Environment, Health and Safety

Q8 Brunel XF 111 is free of added formaldehyde, chlorine, boron, boric acid and secondary amines. It is compliant with the TRGS 611 specification. This ensures environmental safety & operator health. Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.

Properties

	Method	Unit	Typical
Appearance (Emulsion)	Visual	-	Translucent
Appearance (Concentrate)	Visual	-	Yellow
Density, 20 °C	D 4052	kg/l	1.01
pH@3% in 400 ppm CaCO3 water	D 1287	pH	9.4
Refractometer Factor	-	-	2.1
Corrosion characteristics of water-mix metalworking fluids	IP 125	%	2.5
Determination of rust prevention characteristics of water-mix metalworking fluids	IP 287	%	3

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

Remarks

Please contact your Q8Oils representative for further advice and support on your specific application and equipment.

Sustainability

The product Carbon Footprint (PCF), cradle-to-gate (Q8Oils state of the art facility in Belgium), of Q8 Brunel XF 111 is **0.91** kg CO₂eq / kg.

Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.

For more info check here



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