PRODUCT DATA SHEET

Q8 Brunel XF 530

Superior full-synthetic, biostable heavy duty machining & grinding fluid

Description

Q8 Brunel XF 530 is a high performance full-synthetic biostable heavy duty machining & grinding fluid. It contains both advanced synthetic lubricity and extreme pressure additives to combine a superior machining performance with an excellent surface finish. When mixed with water, this product forms a very low foaming, transparent, stable solution that is clean in use and does not degrade or produce bad odours. Q8 Brunel XF 530 also provides excellent corrosion protection to all ferrous metals, even in hard water areas.

Applications

Q8 Brunel XF 530 is a high performance fully synthetic biostable soluble metal working fluid specifically designed for all heavy duty machining and grinding operations of difficult to machine materials including high tensile steels, stainless steels, titanium alloys, Inconel and heat resistant alloys. It is also suitable for glass grinding and cutting operations. Q8 Brunel XF 530 is not recommended for machining aluminium alloys or yellow metals.

User instructions

1. *The correct mixing procedure is to add Q8 Brunel XF 530 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 & tapping	*6 - 10 %*
Heavy duty machining	*8 - 12 %*
Grinding	*3 – 4 %*

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

Environment, Health and Safety

Q8 Brunel XF 530 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
Mineral oil content	*-*	*%*	*0*
Density, 20 ˚C	*D 4052*	*g/ml*	*1.079*
Kinematic Viscosity, 40 ˚C	*D 445*	*mm²/s*	*46*
Appearance (Emulsion)	*Visual*	*-*	*Transparent*
pH@3% in 400 ppm CaCO3 water	*D 1287*	*pH*	*9.6*
Determination of rust prevention characteristics of water-mix metalworking fluids	*IP 287*	*%*	*2*
Corrosion characteristics of water-mix metalworking fluids	*IP 125*	*%*	*2*
Refractometer Factor	*-*	*-*	*1.6*

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 530 is **1.21** kg CO_2eq / kg.*
Please contact Q8Oils to learn more about the positive environmental impact, the handprint, of this product.
To ensure accuracy and reliability, the PCF calculation tool has been verified by an independent third party. The verification report is available in the disclaimer.
For more info check here

we take care

PRODUCT CARBON FOOTPRINT
METHOD VALIDATED BY:

PCF CALCULATION IN LINE WITH:
ISO 14067 | ATIEL-UEIL PCF

VINÇOTTE