

Q8 Berlioz XVH

High performance semi-synthetic metal removal fluid for aluminium and ferrous metals

Description

Q8 Berlioz XVH is a water soluble metal removal fluid designed for heavy duty machining applications. The unique lubricity package enables a high detergency and provides an excellent surface finish. This multi-application fluid is fit for use in soft to hard water. It forms a high quality stable translucent micro-emulsion, resulting in a long sump life. Q8 Berlioz XVH is free of added formaldehyde, chlorine and secondary amines. It is compliant with the TRGS 611 specification.

Applications

Q8 Berlioz XVH is a high performance semi-synthetic metal removal fluid for aluminium and ferrous metals developed for a wide range of applications, including milling, turning, drilling and grinding. It is also suited for tapping aluminium. Due to its low foaming capability it is appropriate for high pressure feed and speed machining on modern CNC-machinery.

User instructions

The correct mixing procedure is to add Q8 Berlioz XVH to water and stir. Positive displacement (Dosatron type) mixing units are recommended for this operation and are available on request.

Suitable for use in soft and hard water areas.

Recommended concentrations are listed below, in certain applications it may be beneficial to run at higher concentrations than those stated below.

	Copper alloys	Steel	Cast iron	Aluminium
General machining	5 %	5 %	5 %	5 %
Medium/Heavy machining	8 %	10 %	5 %	9 %
Tapping				10 %

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

Q8 Berlioz XVH is free of added formaldehyde, chlorine 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	-	Tight milky
Density, 20 °C	D 4052	g/ml	0.957
Kinematic Viscosity, 40 °C	D 445	mm ² /s	111
pH@3% in 400 ppm CaCO ₃ water	D 1287	pH	9.1
Refractometer Factor	-	-	1
Mineral oil content	-	%	46
Corrosion characteristics of water-mix metalworking fluids	IP 125	%	3
Determination of rust prevention characteristics of water-mix metalworking fluids	IP 287	%	4

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.