PRODUCT DATA SHEET

Q8 Berlioz XVP

Low mineral oil containing fluid designed for medium duty machining applications

Description

Q8 Berlioz XVP is a water soluble metal removal fluid appropriate for medium duty general machining applications. The low mineral oil content fluid forms a stable translucent micro emulsion when mixed with water. It is fit for use in both soft and hard water areas. Besides the high detergency, it offers an excellent lubricity performance providing a high quality surface finish to the machined pieces. Q8 Berlioz XVP is free of added formaldehyde, chlorine and secondary amines and fully compliant with the TRGS 611 specification.

Applications

Q8 Berlioz XVP is fitted for a wide range of medium duty applications, including milling, turning and grinding, on both ferrous and non-ferrous metals. The extreme low foaming capacity enables the use in high pressure machining on modern CNC machinery.

User instructions

The correct mixing procedure is to add Q8 Berlioz XVP 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
General machining	5%	5 – 8%	5%
Medium/Heavy machining	5 – 8%	8 – 10%	6%

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 XVP 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	-	Transluc. Emulsion
Appearance (Concentrate)	Visual	-	Clear dark fluid
Density, 20 °C	D 4052	kg/l	1.02
pH@5 % in 400 ppm CaCO3 in water	E 70	-	9.3
Refractometer Factor	-	-	1.6
Corrosion characteristics of water-mix metalworking fluids	IP 125	%	2 %
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.