

Q8 Berlioz XMA

Low foaming, biostable, multi-application, high performance, soluble cutting fluid

Description

Q8 Berlioz XMA is a multipurpose, semi-synthetic, water mix cutting fluid with synthetic lubricity enhancers designed for medium to difficult duty machining. The lubrication characteristics at the tool tip chip interface, helps prevent built up edge. The product is designed to keep machines extremely clean throughout the coolant life with no sticky residues deposited on machine parts. When mixed with water it forms a white opaque emulsion that is completely stable and long lasting. The biostable properties mean that the emulsion does not degrade or produce bad odours, and the emulsion needs little or no maintenance. Q8 Berlioz XMA is specifically designed for use in modern high flow machining centres, where high foaming may be a problem, especially in soft water areas. Q8 Berlioz XMA does not contain free DEA, added chlorine, sulphur, cresols, phenols or nitrites.

Applications

This product is recommended for CNC machines, Machining Centres, Flexible Manufacturing Systems and all centralised systems. The product is suitable for a wide range of materials including cast iron, stainless steel, high tensile steel, yellow metals, aluminium alloys, and titanium.

User instructions

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

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

General machining and non-ferrous materials	4 - 7%
High tensile steels	5 – 10%

*please consult the technical department

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

Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues. Q8 Berlioz XMA does not contain free DEA, added chlorine, sulphur, cresols, phenols or nitrites. It is TRGS 611 Compliant,

Properties

	Method	Unit	Typical
Appearance (Emulsion)	Visual	-	Semi-translucent
Appearance (Concentrate)	Visual	-	Straw Fluid
Density, 20 °C	D 4052	kg/l	1.00
pH@5% in 400 ppm CaCO ₃ in water	E 70	-	9.3
Refractometer Factor	-	-	1.3
Corrosion characteristics of water-mix metalworking fluids	IP 125	%	2.5%
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.