Q8 Berlioz XMA

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

Q8 BERLIOZ is a range of soluble metalworking grades which are developed to be Formaldehyde free, TRGS 611 compliant, chlorine free, secondary amine free and tolerant to both hard and soft water.

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.

Application

- 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.

- Reference should be made to the relevant Q8 Material Safety Data Sheet before use.

Features and Benefits

- Free from Nitrites, Formaldehyde Release Biocides, Chlorine, Secondary Amines,
- TRGS 611 Compliant,
- Excellent multifunctional cutting fluid,
- Suitable for difficult to machine metals,
- Developed for very soft water areas where foaming is an issue,
- Outstanding cleanliness when machining cast iron,
- Biostable emulsion for long sump life with no bad odours,
- Easily maintained, has excellent filterability and is especially suitable for centralised systems.

Usage, Care and Maintenance

- Q8 Berlioz XMA is easily mixed. 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. (Never add water to Q8 Berlioz XMA as this can cause invert type emulsions).
- Recommended emulsion strengths are listed below. Optimum biostability is obtained at concentrations of 3% or above.

Non ferrous machining	4.0 - 6.0%
General machining	5.0 - 7.0%
High tensile steels	5.0 - 10.0%

- Further advice is available from your Q8 representative or from metal@Q8Oils.com.

- In order to preserve the integrity of this product drums should be stored inside a building protected from frost and direct sunlight.

Properties	Method	Typical
Appearance (Neat)		Straw Fluid
Appearance (Emulsion)		White Opaque
pH Value		9.0 - 9.5
Corrosion Test	IP 287	3.0% breakpoint
Refractometer factor		1.18 (reading x factor = actual concentration)

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