

Q8 Berlioz XCM

Biostable semi-synthetic water soluble fluid for metal cutting and grinding

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. Please refer to each product data sheet.

Description

Q8 Berlioz XCM is a biostable, medium mineral oil content, soluble fluid which when mixed with water forms translucent micro-emulsions. This product is especially suitable for use in hard water (400ppm, >40 degrees F, >22 degrees H) and is particularly stable against bacteria and fungi growth due to its biological stability. The formulation is both chlorine free and secondary amine free, has good rust and corrosion protection even when used at low concentrations. Q8 Berlioz XCM is inhibited against copper alloys corrosion.

Q8 Berlioz XCM has good detergency and lubricity and is especially formulated for use in hard waters.

Application

- Q8 Berlioz XCM is a soluble fluid specifically formulated for the machining of cast iron, ferrous and non-ferrous alloys. It is particularly suitable for applications from light to medium severe conditions, such as milling, turning and drilling, it is also suitable for the grinding of steels.
- 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
- General purpose semi synthetic
- Hard water tolerant
- Easily maintained, has excellent filterability

User Instructions

- Q8 BERLIOZ XCM is easily mixed. The correct mixing procedure is to add Q8 BERLIOZ XCM to water and stir. Automatic Dosatron mixing units are recommended for this operation and are available on request. Recommended solution strengths are listed below. Further advice is available from your Q8 representative. Optimum biostability is obtained at concentrations of 3% or above. • General grinding 3.0 - 4.0% • General machining 4.0 - 6.0% In order to preserve the integrity of this product drums should be stored inside a building Protected from frost and direct sunlight.

Usage, Care and Maintenance

- Q8 BERLIOZ XCM is easily mixed. The correct mixing procedure is to add Q8 BERLIOZ XCM to water and stir. Automatic Dosatron mixing units are recommended for this operation and are available on request. Recommended solution strengths are listed below, in certain applications it may be beneficial to run at higher concentrations than those listed. Optimum biostability is obtained at concentrations of 3% or above.

General grinding	3.0 - 4.0%
General machining	4.0 - 6.0%

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



Properties	Method	Typical
Appearance (Neat)		Yellow
Appearance (Emulsion)		White Translucent
pH Value, 5% emulsion		9.4
Corrosion Test	IP 125	>30:1
Refractometer factor		1.6(reading x factor = actual)

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

