

Q8 Berlioz XRC

Q8 Berlioz XRC is a low oil semi-synthetic water soluble cutting, grinding and rolling fluid

Description

Q8 Berlioz XRC is a low oil semi-synthetic water soluble cutting, grinding and rolling fluid. The presence of oil content allows sufficient lubrication for grinding applications with no adverse effects on the pore size of grinding wheels. This also avoids sticky deposits or drying out on slideways typically associated with traditional synthetic grinding fluids. This translucent emulsion offers a good cleanliness capacity and a high biostability. Q8 Berlioz XRC is free of added formaldehyde, chlorine, secondary amines and sulphur additives and fully compliant with the TRGS 611 specification.

Applications

Q8 Berlioz XRC is recommended for all ferrous and non-ferrous grinding operations including all surface grinding, cylindrical (internal and external) grinding and tool & cutter grinding. It is also suitable for light machining operations where exceptional cleanliness is required. Q8 Berlioz XRC is also highly suitable for welded tube applications.

User instructions

The correct mixing procedure is to add Q8 Berlioz XRC 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.

General grinding	3 %
Steels and hard materials grinding	3 – 4 %
General machining	6 - 8 %
Rolling application	*

*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

Q8 Berlioz XRC is free of added formaldehyde, chlorine, secondary amines and sulphur additives. 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	-	Translucent
Appearance (Concentrate)	Visual	-	Bright Yellow Fluid
Density, 20 °C	D 4052	kg/l	1.04
pH@5% in 400 ppm CaCO ₃ in water	E 70	-	9.3
Refractometer Factor	-	-	2.4
Corrosion characteristics of water-mix metalworking fluids	IP 125	%	2%
Determination of rust prevention characteristics of water-mix metalworking fluids	IP 287	%	3%

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.