PRODUCT DATA SHEET

Q8 Berlioz XRC

Semi-synthetic soluble fluid for metal cutting and grinding

Description

Q8 Berlioz XRC is a semi-synthetic soluble metalworking fluid with a low mineral oil content and forms translucent micro-emulsions with water.

Applications

Q8 Berlioz XRC is recommended for medium duty cutting operations on ferrous materials like medium alloy steels and cast iron. It is especially developed for applications on grey cast iron. The use can also be extended to mild steels and copper alloys. The product can also be used in systems operating at low concentrations (centralized systems, forming of welded pipes and metal profiles) and in those application where very good detergency and great hard water tolerance are required.

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 - 4 %
Low to medium duty machining	4 - 6 %
Medium to severe machining	6 - 8 %
Welded tubes 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 from formaldehyde donor biocides, 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
Mineral oil content	-	%	8
Density, 20 °C	D 4052	g/ml	1.037
Kinematic Viscosity, 40 °C	D 445	mm²/s	47
Appearance (Emulsion)	Visual	-	Traslucida
pH@3% in 400 ppm CaCO3 water	D 1287	pH	9.2
Determination of rust prevention characteristics of water-mix metalworking fluids	IP 287	%	3
Corrosion characteristics of water-mix metalworking fluids	IP 125	%	2
Refractometer Factor	-	-	2.2

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.