

## Q8 Berlioz EPS

High performance semi-synthetic EP soluble cutting fluid for ferrous materials and aluminium

### Description

Q8 Berlioz EPS is a medium mineral oil content fluid which will form a high quality stable milky micro emulsion when mixed with water. Q8 Berlioz EPS is free from formaldehyde releasing biocides and secondary amines. The product is compliant with the TRGS 611 specification. Q8 Berlioz EPS contains excellent lubricity additives which have a high detergency, providing a high quality surface finish to the machined pieces. Q8 Berlioz EPS is suitable for use in soft and hard water areas resulting in fluid stability and long sump life.

### Applications

Q8 Berlioz EPS is designed for the heavy duty machining applications on ferrous and non-ferrous metals. Q8 Berlioz EPS is especially suited for high pressure feed and speed machining on modern CNC machinery due to its low foaming capability. It is also suited for aluminium machining with the EP performance of the Q8 Berlioz EPS providing exceptional machining performance.

### User instructions

The correct mixing procedure is to add Q8 Berlioz EPS 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.

	Steel	Aluminium
General machining	5%	5%
Medium/Heavy machining	8 - 12%	8 - 12%

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.

### Properties

	Method	Unit	Typical
Appearance (Emulsion)	Visual	-	Milky
Appearance (Concentrate)	Visual	-	Amber
Density, 20 °C	D 4052	kg/l	0.99
pH@5% in 400 ppm CaCO <sub>3</sub> in water	E 70	-	9.2
Refractometer Factor	-	-	1
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.