Q8 Berlioz XRS

Q8 Berlioz XRS is a fully synthetic water soluble cutting and grinding fluid.

Description

Q8 Berlioz XRS is a synthetic mineral oil-free grinding fluid that forms a transparent solution with water. The product has excellent physical-chemical and biological stability, minimal tendency to foaming, excellent detergency and wide spectrum of compatibility with both hard and soft water.

Applications

Q8 Berlioz XRS is recommended for grinding and light cutting operations on steel and cast iron. The use can also be extended to copper alloys.

User instructions

The correct mixing procedure is to add Q8 Berlioz XRS to water and stir. Positive displacement (Dosatron type) mixing units are recommended for this operation and are available on request.

The best results are obtained by gradually adding Q8 Berlioz XRS to the water, starting from a minimum concentration of 2-3 % up to rise according to the operating severity at concentrations of 4-6 % maximum 8 %.

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 XRS 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*	*-*	*Transparent*
Appearance (Concentrate)	*Visual*	*-*	*Amber*
Density, 20 ˚C	*D 4052*	*kg/l*	*1.08*
pH@5% in 400 ppm CaCO3 water	*E 70*	*-*	*9.6*
Refractometer Factor	*-*	*-*	*2.3*
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.