Q8 Berlioz XVH

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

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

Application

- Q8 Berlioz XVH is designed for the heavy duty machining applications on ferrous and non-ferrous metals, it being a multi material application product. Q8 Berlioz XVH 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 including tapping applications.

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

Features and Benefits

- Q8 Berlioz XVH is a multipurpose high performance product suitable for both ferrous and non-ferrous metals.
- Q8 Berlioz XVH is TRGS 611 compliant.
- Q8 Berlioz XVH incorporates a highly effective anti-corrosion package ensuring protection to machine tools and components.
- Q8 Berlioz XVH forms a highly stable micro-emulsion resulting in extended fluid life. This reduces the requirement for fluid change-over resulting in overall reduced fluid costs.
- High detergency results in excellent tramp oil rejection, high cleanliness and operator visibility.
- Excellent wetting and detergency characteristics ensure that Q8 Berlioz XVH is suitable for use in soft and hard water areas resulting in minimal residue build up.
- Extreme low foaming in all water conditions minimises spillages and waste, improves machine efficiency and reduces 'trip out' in automatic systems.
- Free from formaldehyde, added chlorine and secondary amine ensures environmental compliance, user friendly to the operator.

Usage, Care and Maintenance

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

- Recommended concentrations are listed below, in certain applications it may be beneficial torun at higher concentrations than those stated below.

Type	Copper Alloys
General machining	5%
Medium/Heavy machining	8%

Usage, Care and Maintenance

Type	Steel
General machining	5%
Medium/Heavy machining	10%
Type	Cast Iron
General machining	5%
Medium/Heavy machining	5%
Type	Aluminium
General machining	5%
Medium/Heavy machining	9%
Tapping	10%

- Further advice is available from your Q8Oils 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.

Properties	Method	Unit	Typical
Appearance (Neat)		-	Amber Liquid
Appearance (Emulsion)			Tight Milky
Density		g/ml	0.968
pH Value		-	9.0
Corrosion Test	IP 287	-	4.0% breakpoint
Refractometer factor		-	1.0 (reading x factor = actual concentration)

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