

# Q8 Beethoven VEP

**Biostable, high oil content, extreme pressure cutting fluid**

## Product Description

The formulation of Q8 Beethoven VEP incorporates a chlorinated extreme pressure package to impart very high performance levels ensuring excellent surface finish and extended tool life.

With a formulation containing 70% of hydro refined mineral oil and using the latest boron emulsion technology the product offers improved stability in hard waters without scum formation resulting in excellent corrosion protection and very clean machines with no sticky deposits.

Q8 Beethoven VEP assures long sump life due to the effective biostat formulated into the product to control levels of sulphate reducing bacteria which are the cause of the offensive 'Monday morning' sump smells often found with less effective formulations.

Suitable for use on all ferrous and non ferrous materials Q8 Beethoven VEP offers a modern alternative with a versatility unattainable with previous technology.

## Summary of Main Features and Benefits

- Increased tool life
- Excellent corrosion protection
- Economical
- Long sump life
- Low scum
- Hard/soft water compatible

## Typical Inspection Data

Appearance (Neat)	Amber liquid
Odour	Bland
Specific Gravity @ 15°C	0.950 - 0.970
pH @ 3% in water 50ppm CaCO <sub>3</sub>	9.1 – 9.4
Freezing/melting point (°C)	<0
Boiling Point/Range (°C)	>100
Miscibility with water	Complete to form a semi-trans, milky emulsion
Miscibility with solvents	Partial
Corrosion breakpoint; IP287, 270ppm CaCO <sub>3</sub> /50 ppm chloride	3.5%

## User Instructions

Q8 Beethoven VEP is easily mixed. The correct mixing procedure is to add Q8 Beethoven VEP to water and stir. Positive displacement (Dosatron type) mixing units are recommended for this operation and are available on request. (Never add water to Q8 Beethoven VEP as this can cause invert type emulsions). Recommended emulsion strengths are listed below. Further advice is available from your Q8 representative. Optimum biostability is obtained at concentrations of 3% or above.

- General machining and non-ferrous materials 3.0 – 5.0%
- High tensile steels 5.0 – 10%

In order to preserve the integrity of this product drums should be stored inside a building protected from frost and direct sunlight.

## Health and Safety

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

Feb 09



**Kuwait Petroleum International Lubricants (UK) Ltd**

Knowsthorpe Gate, Leeds LS9 0NP. UK

For further assistance contact the Technical help line Telephone +44 (0) 113 2365 223, Fax +44 (0) 870 238 4673

For Customer Sales Contact, Tel +44 (0) 113 2365 204, Fax +44 (0) 113 2485 026. [www.Q8Oils.co.uk](http://www.Q8Oils.co.uk)

In line with our policy of continued improvement, Kuwait Petroleum International Lubricants reserve the right to change specification and availability without prior notice



technical data