

Q8 Baroni XGF

Semi Synthetic Soluble Grinding Fluid

Q8 BARONI Range

Q8 BARONI is a range of high performance soluble metalworking grades which are developed to be free from added chlorinated paraffin. The range which is tolerant in both hard and soft water is suitable for a wide variety of applications and materials, please refer to each product data sheet

Applications

Q8 Baroni XGF is recommended for all ferrous, aluminium and yellow metal grinding operations including all surface grinding, cylindrical (internal and external) grinding, and tool and cutter grinding.

Q8 Baroni XGF is also suitable for light machining operations where the user desires ultimate cleanliness.

Product Description

Q8 Baroni XGF is a low oil semi-synthetic water soluble cutting and grinding fluid free from chlorine and sulphur additives.

The oil content allows sufficient lubrication for grinding applications with no adverse effects on the pore size of grinding wheels. This also reduces the likelihood of sticky deposits or drying out on slide-ways typically associated with traditional synthetic grinding fluids.

Q8 Baroni XGF is biostable, thus reduces the risk of bacterial and fungal contamination. The product gives high cleanliness requiring little or no maintenance. Q8 Baroni XGF yields a fully translucent emulsion in soft waters (<200ppm) and a stable semi translucent emulsion in moderate to hard waters (>200ppm) resulting in excellent visibility in operation.

Summary of Main Features and Benefits

- Low oil content enabling sufficient lubrication for grinding applications with no adverse effects on the pore size of grinding wheels.
- Outstanding cleanliness resulting in a clean working environment
- Semi - fully translucent enabling full operating visibility
- Suitable for both soft and hard water areas
- Excellent biostability giving long sump life and reduced maintenance costs
- Excellent low foaming properties making it suitable for both high and low pressure systems
- Good anti-corrosion properties
- Free from chlorine

Typical Inspection Data

Appearance (Neat)	Bright yellow fluid
Appearance (Solution)	Clear
Density @ 20C	1.025
pH @ 5%	9.8
Corrosion Test IP287	2.5% breakpoint
Refractometer Factor	2.5 (reading x factor = true concentration)

User Instructions

Q8 Baroni XGF is easily mixed. The correct mixing procedure is to add Q8 Baroni XGF 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 to run at higher concentrations than those stated. Optimum bio-stability is obtained at concentrations of 3% or above.

Further advice is available from your Q8 representative or from metal@Q8Oils.com

- | | |
|--------------------------------------|------------|
| • General grinding | 3.0% |
| • Steels and hard materials grinding | 3.0 - 4.0% |

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.

Feb14v4

