

Q8 Baroni XGP

Formaldehyde free, high performance, multi-purpose semi-synthetic cutting fluid

Description

Q8 BARONI XGP is a multipurpose, water mix cutting fluid formulated with a medium oil content (approx. 30%) and advanced lubricity additives to provide optimum tool life on a full range of materials. The lubrication characteristics are designed for medium to arduous machining and enable a superior performance with an excellent surface finish. The product is designed to keep machines extremely clean throughout the coolant life & and when mixed with water forms a semi translucent to white opaque emulsion that is completely stable and long lasting. The bio-stable properties mean that the emulsion does not degrade or produce bad odours, and the emulsion needs little or no maintenance. Rust and corrosion protection are outstanding, and no sticky residues or sludges are deposited on machine parts. Q8 BARONI XGP does not contain formaldehyde, chlorine, sulphur, cresols, phenols or nitrites.

Applications

Q8 Baroni XGP is recommended for CNC machines, Machining Centres, Flexible Manufacturing Systems and all centralised systems. Q8 Baroni XGP is suitable for a wide range of materials including cast iron, stainless steel, high tensile steel, yellow metals, aluminium alloys and titanium.

User instructions

1. The correct mixing procedure is to add Q8 Baroni XGP to water and stir. For this operation we recommend positive displacement (Dosatron type) mixing units.
2. In order to preserve the integrity of this product, drums should be stored inside a building protected from frost and direct sunlight.
3. Recommended concentrations are listed below.

| | |
|-----------------------|--------|
| Non ferrous machining | 4-6 % |
| General machining | 5-7 % |
| High tensile steels | 5-10 % |

Note: In some circumstances and applications, it is beneficial to deviate from the recommendations shown above.

Environment, Health and Safety

Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.

Properties

| | Method | Unit | Typical |
|------------------------------|--------|------|---------------------------------|
| Appearance (Neat) | Visual | - | yellow |
| Appearance (Emulsion) | Visual | - | semi translucent - white opaque |
| Density, 20 °C | D 4052 | g/ml | 0.99 |
| pH@5% in 400 ppm CaCO3 water | E 70 | - | 9.2 |
| Corrosion Test | IP 287 | % | 3.0% breakpoint |
| Refractometer Factor | - | - | 1.25 |

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.