

Q8 Beethoven G50

Full synthetic, biostable grinding fluid

Q8 BEETHOVEN Range

Q8 BEETHOVEN is a range of high performance soluble metalworking grades which are developed for a wide variety of applications and materials please refer to each product data sheet.

Applications

Q8 Beethoven G50 is recommended for all ferrous grinding operations including all surface grinding, cylindrical (internal and external) grinding, and tool and cutter grinding.

It is not however, suitable for grinding alloys containing zinc or magnesium.

Product Description

Q8 Beethoven G50 uses advanced full synthetic anti-corrosion additive technologies. This product is biostable meaning it does not degrade in use or produce bad odours, therefore the translucent solution that Q8 Beethoven G50 produces needs little or no maintenance. Q8 Beethoven G50 has excellent corrosion protection even in hard water areas, for all ferrous metals giving rust and stain free machining. Q8 Beethoven G50 is not affected by tramp oil as it is rejected readily. The formulation does not contain cresols, phenols, nitrites, sulphur or chlorinated paraffin's.

Summary of Main Features and Benefits

- Nitrite free
- Mineral oil free
- TRGS 611 compliant
- Good anti-corrosion properties
- Easily maintained, has excellent filterability
- Stable in all normal water conditions (including hard water)
- Very clean product

Typical Inspection Data

Appearance (Neat)	Amber
Appearance (Emulsion)	Fluorescent Translucent Green
pH at (2%)	9.6
Density @ 20C	1.086
Corrosion Test IP 287	1.5% breakpoint
Refractometer factor	2.0 (reading x factor = true concentration)

User Instructions

Q8 Beethoven G50 is easily mixed. The correct mixing procedure is to add Q8 Beethoven G50 to water and stir. Automatic Dosatron mixing units are recommended for this operation and are available on request.

Recommended solution strengths are listed below, optimum biostability is obtained at concentrations of 3% or above. In certain applications it may be beneficial to run at concentrations higher than those stated below.

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

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| • General grinding | 2.0 - 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.

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