



BIOCUT Q3755 SOLUBLE CUTTING FLUID

APPLICATION

Hi-Tec Biocut Q3755 Soluble Cutting Fluid is a versatile, general purpose, semi-synthetic, machining and grinding fluid. It is suitable for use on a wide range of metal removal operations for both ferrous and aluminium alloys.

USAGE

Hi-Tec Biocut Q3755 Soluble Cutting Fluid is mixed with water at 2 – 10% concentrations to form a milky emulsion. The exact concentration required will depend on the severity of the application. The product is suitable for use in waters up to 300ppm CaCO₃ hardness.

BENEFITS

- Provides stable lubrication for high quality surface finish.
- Excellent corrosion protection for the machined parts, DIN chip <3%.
- Leaves no sticky residues on the workpiece.
- Biostatic.
- Triazine free.
- Contains no Phosphorous, Sulphur or Chlorine.
- Low environmental impact, meets WGK class 1.

COMPATABILITY

Hi-Tec Biocut Q3755 Soluble Cutting Fluid is compatible with most seal, hose and packing polymers designed for use with petroleum based lubricants. However for advice regarding specific materials, contact your distributor or your Hi-Tec Sales representative.

Hi-Tec Biocut Q3755 Soluble Cutting Fluid is compatible with all metals commonly found in metal-working coolant systems and machines.

STORAGE

If the following criteria are adhered to, **Hi-Tec Biocut Q3755 Soluble Cutting Fluid** can be stored for at least six months.

Maximum recommended long-term storage temperature: 40 °C.

Minimum recommended long-term storage temperature: 0°C.

Keep drums/containers tightly closed when not in use.

Store containers/drums in a dry and well ventilated area.

Hi-Tec suggests that the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use.



CHEMICAL AND PHYSICAL PROPERTIES:

Property

Appearance
Cold Test, 30mins at 4°C
pH (5% in demineralised water)
Total Alkalinity (mg KOH/g)
Acid value (mg KOH/g)
Specific Gravity
Viscosity @ 40 °C (cSt)
Refractive index @ 3% in demineralised water
Refractive index @ 5% in demineralised water
Refractive index @ 7% in demineralised water

Results

Clear Amber Liquid
Clear Amber Liquid
9.0 – 9.4
106 – 117
103.6 – 114.5
0.970 – 1.010
75.2 – 83.2
2.2 °Brix
4.2 °Brix
5.5 °Brix