SOLCUT QLB2

APPLICATION

Hi-Tec Solcut QLB2 can be used in a wide range of applications, from brass and aluminium machining in large transfer systems to machining steel in small single sump machines.

Hi-Tec Solcut QLB2 is a semi-synthetic biostable machining and grinding fluid forming transparent emulsions, which may become semi-translucent in hard water. **Hi-Tec Solcut QLB2** combines the cleanliness and detergency of synthetic products without the sticky residues often encountered with such products.

USAGE

Use **Hi-Tec Solcut QLB2** at concentrations varying between 2% and 5% depending on the machining application but in general grinding is satisfactory at 2% concentration and other machining applications require between 3% and 4% concentration. For brass machining, good results have been had at concentrations of 6% and for aluminum 10%.

BENEFITS

- Emulsions of **Hi-Tec Solcut QLB2** are non-staining to aluminum.
- Excellent ferrous corrosion protection.
- Offers increased cleanliness and longer sump life.
- For emulsions using **Hi-Tec Solcut QLB2** under normal conditions, 90% of any tramp oil will float out over a week-end shutdown. This enables the tramp oil to be readily removed and thus further extends the sump life of the emulsion.
- In common with the rest of Hi-Tec's biostable cutting fluids, **Hi-Tec Solcut QLB2** emulsions can readily be split with conventional effluent treatment techniques, thus minimizing disposal costs.

COMPATIBILITY

Hi-Tec Solcut QLB2 is compatible with most commonly used polymer hose and seal materials. However, due to the wide variety of materials available, specific recommendations should be sought from your distributor or Hi-Tec Sales Representative.

STORAGE

If the following criteria are adhered to, **Hi-Tec Solcut QLB2** can be stored for at least six months.

Maximum recommended long-term storage temperature: 40℃.
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 performance requirements and general operating conditions should be checked prior to use.

TYPICAL PROPERTIES

Property	**Results**
Appearance	Fluorescent green liquid
Specific Gravity @ 25℃	1.005 – 1.015
pH of 5% emulsion in water	9.7 - 10.2
pH Neat	10.0 - 10.7
Acid Value	45.0 - 55.0 mg KOH/g
Total Alkalinity	90 - 105 mg KOH/g
Refractometer Factor	0.5