



Quaker Chemical

TECHNICAL DATA

MICROCUT LB2

Semi-synthetic Biostatic Machining and Grinding Fluid Silicone free

Microcut LB2 finds a wide range of applications, from aluminium machining in large transfer systems to machining steel in small single sump machines.

Microcut LB2 is a semi-synthetic biostatic machining and grinding fluid forming transparent emulsions, which may become semi-translucent in hard water. Microcut LB2 combines the cleanliness and detergency of synthetic products without the sticky residues, which are often encountered with such products.

Usage:

Use concentrations vary between 3% and 10% depending on the machining application but in general grinding is satisfactory at 3% concentration and other machining applications require 5% concentration.

Benefits:

- Emulsion of Microcut LB2 is non-staining to aluminium.
- Excellent ferrous corrosion protection.
- Offers increased cleanliness and longer sump life.
- Under normal conditions in Microcut LB2 emulsions 90% of 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 Quaker's Biostatic cutting fluid series, Microcut LB2 emulsions can readily be split with conventional effluent treatment techniques, thus minimising disposal costs.

QUAKER CHEMICAL (AUSTRALASIA) PTY LIMITED

A.C.N 000 465 949

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The information contained and recommendations made in this data sheet are based upon data collected and believed by us to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made herein with respect to the merchandise described and we assume no responsibility for the results of the use thereof.



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Compatibility:

Microcut LB2 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 the supplier or the Quaker Chemical Laboratory.

Safety:

The measures to be taken to ensure the protection of health and safety at the workplace are described in the Material Safety Data Sheet (MSDS). A MSDS is sent at the first delivery and regularly updated. Due to the variation in national legislation the MSDS can change for different countries.

Storage:

If the following criteria are adhered to, the product 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.

Quality Assurance:

Quaker Chemical assures that the delivered product is produced within manufacturing specifications. A certificate, containing these manufacturing specifications and the results for the delivered material, is available on request.

Chemical and Physical Properties (typical):

Appearance	:	Fluorescent green liquid
Specific Gravity @ 25°C	:	1.005 – 1.015
pH 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

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