

# SPARTAN CHEMICALS

11 Spring Gardens  
Silsden, Keighley  
West Yorkshire  
BD20 0DJ  
Landline 01535657621  
**MOBILE 07 774 480335**

E.Mail [billeagleson76@gmail.com](mailto:billeagleson76@gmail.com)

E-MAIL [sales@spartanchemicals.co.uk](mailto:sales@spartanchemicals.co.uk)

Web Site [www.spartanchemicals.co.uk](http://www.spartanchemicals.co.uk)

## SPARCOOL BIO 60EP2 BF LU 320

Sparcool BIO 60EP2BF is the first of a new generation of boron free "higher oil content" biostable water-mix metalworking fluids. It has been specially designed to incorporate the latest advances in additive technology and thereby comply not only with current legislation, but also that pending. Sparcol BIO 60 EP2BF is truly an 'all round' water-mix metalworking fluid.

Although water based, Sparcool Bio 60EP2BF with its blend of surface active and hydrodynamic lubrication additives, provides a true alternative to the use of neat oils. Its unique formulation also makes it suitable for grinding operations in which it will keep machining areas clean and free from the sticky deposits normally associated with synthetic grinding fluids.

In addition to its machining characteristics, Sparcool BIO 60EP2BF offers the following benefits;

- Boron Free, Triazine Free, Phenol free, Formaldehyde free, Contains no long chain Chlorinated Paraffin's
- Biostable
- Improved surface finish, better tool life
- Permits higher cutting speeds
- Very low foaming tendency even in very soft waters
- Excellent residual corrosion protection
- Good tramp oil rejection
- Maintains machine cleanliness

### Specification

Appearance of Concentrate	Amber liquid
Specific Gravity @ 20°C	0.965
PH @ 3% (Distilled Water)	9.2
Anti-corrosion by IP287	3% Break Point
Refractometer Correction Factor	1.1

### Application

Sparcool BIO 60EP2BF should not be used at concentrations less than its specified break point.

Maximum machining performance can be achieved at concentrations up to 12% however, the majority of operations will be completed with concentrations in the range 3 - 6%.