

# SPARTAN CHEMICALS

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## SPARGRIND LG LU 305

This product is the second 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. It is truly an ‘all round’ water-mix metalworking fluid.

Although water based, its blend of surface active and hydrodynamic lubrication additives, provide a true alternative to the use of neat oils. It can be used for general drilling and lathe /CNC work on a variety of feed stocks. 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 fully synthetic grinding fluids.

In addition to its machining characteristics, it offers the following benefits;

- Boron Free, Triazine Free, Phenol free, Formaldehyde free
- Does not contains 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
- Cat 3 effluent

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** Do not use 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%. Not being dedicated to any one material or machining process, care should be taken not to use in situations where a dedicated fluid may provide overall better performance

### *Note*

*The life and performance of any water-mix metalworking fluid is affected greatly by external factors such as water quality, atmospheric contamination and ingress of machine oils etc. Maximum benefit and lowest operating costs are achieved where correct monitoring and control is applied.*