

# TECHNICAL BULLETIN

Rev: 200609

## Water-Based General Purpose Mold Release

### **DESCRIPTION:** LBG1

LubriSilk<sup>®</sup> FM-100 is a water soluble mold release agent designed to provide a non-toxic, biodegradable answer to operations where a clean, washable product ejection is necessary. The FM-100 product gradually forms a slick boric-oxide surface on the compression mold due to Boron CLS Bond<sup>®</sup> technology. BAPG1 allows a continuing improvement in part ejection and can materially reduce scrap rates.

FM-100 is biodegradable and non-toxic as defined by U.S. Agencies and is not hazardous to health as defined by the European Union dangerous substance/preparations directives.

The Boron CLS Bond<sup>®</sup> chemistry is so unique it's patented. This chemical process creates a micro-layer of extremely low-friction, crystal lattice molecular structures (CLS) that become a part of metallic surfaces (ionic and covalent bonding). It is the self-lubricating property of this crystal lattice structure which reduces wear and friction and protects against corrosion.

### **USAGE:**

FM-100 may be diluted with distilled water for use in spray systems or other automated operations that require lower viscosity fluids.

### **APPLICATIONS:**

Metal stamping and forming applications where metal movement/part release is impaired.

### **SPECIFICATIONS:**

VISCOSITY:

@ 40 C.42.3 cStASTM D445

@100 c.8.8 cStASTM D445

FLASH POINT: >185 C.ASTM D92

BOILING POINT:190 C.

AUTO IGNITION TEMP: 370 C.

APPEARANCE: Semi-Opaque whiteASTM D1500

TOTAL VOLATILES: .3%

PH: Neutral

### **PACKAGING:**

32-ounce bottles, 5-gallon pails and 55-gallon drums – Other packaging is available.