



# Product Bulletin

Better Chemistry. **Better Business.**

## Hub-Draw LF

**Product Code: 2530016**  
**Revised Date: 03/29/2017**

### Hub-Draw LF Low Foam Lubricant

**Hub-Draw LF** is *low foam*, is non-amine soap based lubricant designed for brass and copper forming but it is also suitable for most metal substrates, such as aluminum, light duty steel and steel forming applications. It is formulated to prevent tarnish (oxidation) from occurring on brass and copper during forming operations and in post forming storage.

**Hub-Draw LF** contains no extreme pressure additives. It is however, for this reason, easily removed from parts using mild cleaners when required. It contains no sulfur or chlorine compounds

**Hub-Draw LF** is designed to produce an invisible soap film on the surface of metallic substrates to impart "slip" to parts such as cases, cartridges, fasteners, clips, grommets, findings, eyelets, and other small parts. This is often desirable on surfaces that inherently lack an appreciable degree of lubricity such as stainless steels, nickel, and aluminum.

**Hub-Draw LF** can be used after cleaning or plating as a water shedding agent, to impart short term in process corrosion resistance, and lubricity.

### FEATURES & BENEFITS

- Low free alkalinity.....**Safer to handle**
- Amine free.....**No amine induced corrosion or cracking**
- Anti-tarnish protection.....**Simplifies post forming cleaning**
- Dry film (soap) lubrication.....**Parts "feed" easily**
- High % of sustainable raw materials.....**Ecologically preferable**

### CHARACTERISTIC

Specific gravity .....1.01  
 Weight per gallon.....8.43  
 PH .....11 to 12.5  
 Appearance .....semi viscous amber  
 Odor.....mild soap





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### OPERATING PARAMETERS

**Hub-Draw LF** is normally used at a concentration of 1.0 – 5.0 % by volume but it may be used at higher concentrations if required. Solutions may be heated to accelerate drying of parts.

**Hub-Draw LF** is moderately alkaline and should be handled with care. Safety glasses and chemical resistant gloves should be used when handling and working with this product.

Persons handling and working with **Hub-Draw LF** should read and thoroughly understand the Material Safety Data Sheet for the product.

### WARRANTY

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.



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