



KLENEDRAW® W-4701

KLENEDRAW® W-4701 is a heavy duty chemical solution formulated to lubricate metal forming operations on ferrous metals, high strength alloys, stainless steels, and galvanized steel. **KLENEDRAW® W-4701** is designed for difficult blanking, piercing, forming, drawing, and deep drawing operations. It has excellent wetting characteristics and interacts with metal surfaces to produce a high strength boundary film and chemical extreme pressure lubrication.

USAGE

KLENEDRAW® W-4701 can be used as a straight concentrate or at dilutions up to 15 to 1 with tap water. It can be applied using spray systems, drip, roller coater or flood methods.

KLENEDRAW® W-4701 is easily removed from parts in aqueous wash systems.

PHYSICAL CHARACTERISTICS

Density	1.03 g/ml	8.6 lbs/gal
Appearance	Golden Liquid	
Odor	Mild Sweet	
pH of Concentrate	Typically 9.3	
Refractive Index	9.0 @ 2:1	5.4 @ 4:1 3.8 @ 6:1
(freshly diluted)	2.7 @ 9:1	2.1 @ 12:1 1.6 @ 15:1
Refractive Index Factor	0.27 x Vol % = Refractive Index	

BENEFITS

- Is a Very Operator-Friendly Product
- Contains No Hazardous Ingredients
- Affords Good In-Process Rust Protection
- Cleans Easily In Low Temperature Water Based Solutions
- Mixes Easily With Water
- Can Be Welded Through Without Cleaning
- Provides Excellent Die Life
- Produces an Extreme Pressure Lubricating Film

TECHNICAL SUPPORT

This is a Proprietary product. TOWER wants to assist you in evaluation and selection of suitable products. We urge you to take advantage of this service. This information sheet and TOWER's assistance, however, are not a substitute for your own testing and evaluation.