



KLENEDRAW W-4815

KLENEDRAW W-4815 is a high viscosity synthetic lubricant formulated for use in tube bending and other metal forming operations on ferrous metals and stainless steel. **KLENEDRAW W-4815** produces a high strength film on the surface of the metal as well as chemical extreme pressure protection.

USAGE

KLENEDRAW W-4815 should be used as a concentrate for difficult bending operations. For lighter duty bending, it may be diluted up to 3 to 1 with water. **KLENEDRAW W-4815** can also be used as a concentrate of diluted up to 15:1 for metal stamping and drawing applications. It can be applied through automatic mandrel rod lubrication systems capable of pumping higher viscosity fluids or greases.

PHYSICAL CHARACTERISTICS

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|-------------------|-----------------------|
| Density | 1.02 g/ml 8.5 lbs/gal |
| Appearance | Viscous Golden Liquid |
| Odor | Bland |
| pH of Concentrate | Typically 8.5 to 9.0 |
| Refractive Index | 10.0 @ 3:1 6.8 @ 5:1 |
| (freshly diluted) | 4.0 @ 10:1 2.8 @ 15:1 |

BENEFITS

- **Contains No Hazardous Ingredients**
- **Contains No Petroleum Oil**
- **Does Not Contain Chlorine or Phosphorus**
- **Has Excellent Rust Protection for Inside Storage**
- **Cleans Easily in Low Temperature Water Base Solutions**
- **Can be Welded Through Without Cleaning**
- **Is Environmentally and Operator Friendly**

TECHNICAL SUPPORT

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.

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