



KLENEDRAW 3421

KLENEDRAW 3421 is an oil free solution designed for metalforming operations on ferrous metals, zinc coated metals, yellow metals and aluminum alloys. It can be used for a variety of metal forming operations including punching, perforating, roll forming and multi-stage forming and drawing operations. It penetrates and interacts with the metal surfaces producing a high strength film with chemical extreme pressure characteristics.

USAGE

KLENEDRAW 3421 can be used at dilutions up to 20:1 with tap water. It can be applied in minimal amounts by using JET SET airless spray, drip, roller coater or similar methods.

PHYSICAL CHARACTERISTICS

Appearance	Yellow Liquid
Odor	Mild
pH (@10%)	8.6 Typical
Refractive Index	7.7 @ 3:1 4.4 @ 6:1 3.1 @ 9:1 2.4 @ 12:1 1.3 @ 19:1

BENEFITS

- **Contains No Hazardous Ingredients**
- **Contains No Fats, Oils or Greases**
- **Does Not Contain Chlorine or Sulfur**
- **Excellent Corrosion Protection For Zinc Coatings**
- **Has Excellent Rust Protection for Inside Storage**
- **Cleans Easily In Low Temperature Water Base Solutions**
- **Can Be Welded Through Without Cleaning**
- **Can Replace Vanishing Oil in Many Instances**
- **Mixes Easily With Water**
- **Is Environmentally Friendly**

TECHNICAL SUPPORT

TOWER OIL & TECHNOLOGY Co. 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.

05189