



KLENEDRAW® 3344

KLENEDRAW 3344 is a synthetic metalforming lubricant that provides excellent corrosion protection for ferrous metals. It includes a newly developed corrosion inhibitor package that provides rust protection for wet stacked parts. The performance of this new additive allows for a maximum blend of boundary film and extreme pressure additives. **KLENEDRAW 3344** can be used for a variety of metalforming operations, including punching, perforating, multi-stage forming and drawing, and rollforming. **KLENEDRAW 3344** provides superior tool life and dries to a clean non-sticky fluid film or dry film depending on the end use dilution.

USAGE

KLENEDRAW 3344 is typically used at dilutions between 3:1 and 12:1 with tap water. It is all-metal safe and works well on painted surfaces. **KLENEDRAW 3344** can be used in recirculating systems or can be applied in minimal amounts by using JET SET® airless spray, drip, roller coater or similar methods. **KLENEDRAW 3344** is easy to remove from parts in conventional aqueous wash systems using an alkaline cleaner such as **TOWERKLENE 42-A**.

PHYSICAL CHARACTERISTICS

Density	1.00 g/ml	8.3 lbs/gal
Appearance	Golden Liquid	
Odor	Mild	
pH of Concentrate	Typically 9.1	
Refractive Index (freshly diluted)	8.1 @ 3:1	4.6 @ 6:1 3.2 @ 9:1
Refractive Index Factor	.32 x Volume % = Refractive Index	

BENEFITS

- **Contains No Hazardous Ingredients**
- **Can Replace Vanishing Oils In Many Instances**
- **Does Not Contain Chlorine or Sulfur**
- **Has Excellent In-Process Rust Protection**
- **Cleans Easily in Low Temperature Water Based Solutions**
- **Can be Welded Through Without Cleaning**
- **Contains No VOC's**
- **Burns Off Clean in Annealing Furnaces**
- **Provides Superior Tool Life Because of High Lubricity**
- **Delivers Excellent Cooling, Flushing and Wetting Properties**
- **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. 08142