



KLENEDRAW 3242

KLENEDRAW 3242 (formerly LS-M-342) is an oil free solution designed for metal forming operations on ferrous metals, aluminum, brass, copper alloys, zinc coatings and painted metals. It can be used for a variety of metal forming operations including punching, perforating, multi-stage forming, drawing and roll forming. **KLENEDRAW 3242** provides a high degree of lubricity, flushing and cooling for the metalworking operation.

USAGE

KLENEDRAW 3242 can be used at dilutions up to 20 to 1 with tap water, depending on the severity of the operation. It can be used in recirculating systems, or it can be applied in minimal amounts by using JET SET® airless spray, drip, roller coater or similar methods.

PHYSICAL CHARACTERISTICS

Density	1.02 g/ml	8.5 lbs/gal
Appearance	Clear Yellow Liquid	
Odor	Mild	
pH of Concentrate	Typically 9.0 to 9.2	
Refractive Index	6.1 @ 4:1	3.1 @ 9:1
(freshly diluted)	2.0 @ 14:1	1.5 @ 19:1

BENEFITS

- **Contains No Hazardous Ingredients**
- **Contains No Fats, Oils or Greases**
- **Does Not Contain Chlorine or Sulfur**
- **Cleans Easily in Low Temperature Water Based Solutions**
- **Can Be Welded Through Without Cleaning**
- **Can Replace Vanishing Oils in Many Instances**
- **Mixes Easily With Water**
- **Has Good Stability in Hard Water**
- **Is Environmentally 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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