NuGenTec High Performance Materials

NuLube Klean-Draw

Technical Data Sheet

100329

NuLube Klean-Draw: Viscous semi-synthetic lubricant for deep drawing, stamping, punching, pressing, bending and forming. One-hundred percent (100%) water soluble for easy cleaning. Extremely high lubricity. Safe on most metals. Protects against rust. Low odor fluid. Safe to work with.

Applications:

NuLube Klean-Draw is designed to assist in many metal-forming operations to include but not limited to; drawing, stamping, punching, pressing, bending, and forming. Also finds itself useful in roll-forming. **NuLube Klean-Draw** has been formulated to replace heavy-duty oil based lubes for metal punching, stamping and drawing applications, which typically require vapor degreasing for cleaning. Special concentrated formulation won't smoke or evaporate away or dry down. Clings to surfaces and protects against corrosion. Semi-synthetic formula washes off easily with water allowing for subsequent painting or plating operations. For best results, **NuLube Klean-Draw** should be cleaned with a neutral to Alkaline cleaner.

Typical Usage Parameters:

| | NuLube Klean-Draw |
|------------------------|--------------------------|
| Description | Ultra Heavy-Duty Viscous |
| | Water Soluble Lubricant |
| Viscosity SUS @ 100°F | 800 |
| Concentration Range | 10-100% |
| Operating temperatures | Ambient |
| Rolling & Stamping | • |
| Ferrous metals | • |
| Aluminum/brass/copper | • |
| Galvanized | • |
| Deep Drawing | • |
| Extra rust protection | • |

Physical Properties:

| | NuLube Klean-Draw |
|------------------------------|------------------------------|
| pH, concentrate | N/A |
| pH, @ 5% bv | 8.4 |
| Bulk Density, #/gal | 8.0 |
| Oils & Insolubles | None |
| VOC (at max use level, 100%) | < 50 g/L |
| Flash point | >375°F |
| Chelates | None |
| Solubility in water | Complete |
| Silicated | No |
| Chlorinated | Yes – (Chlorinated Paraffin) |

Availability: 5-gallon and 55-gallon containers; 275-gallon tote-bins and bulk tankers.

Storage: Keep out of direct sunlight. Keep from freezing. Store between 40-120°F.

Disposal: Dispose of in accordance with local, state, and federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or email: info@nugentec.com