



EMERALD DRAW 3140

DRAWING FLUID

Description

Emerald Draw 3140 represents a new chemistry in the selection of synthetic based drawing lubricants. Emerald Draw 3140 is a very heavy duty non-chlorinated preformed emulsion. This product is highly concentrated in extreme pressure additives for anti-galling with excellent adherence and anti-wipe properties.

Features & Benefits

- Versatile – can be used on a wide variety of operations and metals (cold rolled, stainless, aluminum and galvanized).
- Economical and clean –coats evenly over mill oiled surfaces and clings to metal surfaces, thus minimizing excessive drippage around the press.
- Extremely effective at extended dilutions reducing cleaner and disposal costs.
- Thin films offer no resistance to weldments and smoke far less than conventional mineral oil based products.
- This fluid is environmentally friendly. Emerald Cut 3140 biodegrades far easier than mineral oil based products. Essentially a “green product.”
- Excellent indoor rust protection on either steel, galvanized or aluminum.
- Chlorine free – This minimizes health risks and disposal difficulties associated with chlorinated products.
- Very easily washed and removed with mildly alkaline cleaners. Meets autophoretic guidelines for stampings (i.e. no paraffins, no sulfonates, no chlorine, no stearates).
- Extremely low aggressiveness towards plastics (ABS) or sensitive rubber seals (no swelling, no cracking even at elevated temperatures).
- Very easily mixed with water, either by proportionator or conventional mixing methods.

Physical Data

Appearance	Tan, milky emulsion
Flash Point	None (contains water)
Specific Gravity	1.0 (8.3 lbs./gal)
pH	8.5
Rust Protection	Excellent indoor; over 100 hours at 100°F at 100% relative humidity.
Toxicity	Contains no heavy metals or materials hazardous to health or environment.
Welding	Offers no resistance to weldments.

Usage

Emerald Draw 3140 is designed for deep-drawing and crush stamping applications where scoring has been a problem. Applications include cross members, bumpers, control arms, valve covers, and heavy gage stampings which may have extrusions, reverse draws and piercings.

- Cut 1-1 to 3-1 for difficult operations where scoring is a common problem.
- Cut 4-1 to 10-1 for less severe forming and progressive die operations.

Applications

Adaptable to swab, dip, spray or roller coater applications.

Removal

Easily removed with warm mild alkaline cleaners.

Storage

Contains water – keep from freezing.

Health & Safety

See the most recent MSDS which is available directly from Precision Fluids, your local salesman, or authorized distributor. Precision Fluids uses only raw materials not listed as carcinogenic by IRAC.

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