

# MARTOL EV



METALWORKING



TOTAL

## Vanishing Oils for Light-Duty Stamping and Blanking of Various Metals.

### APPLICATIONS

- **MARTOL EV series** of oils are "vanishing" type fluids for light stamping and blanking of various metals. They are odorless, fast drying, non-staining, non-corrosive, and non-toxic. Each of the **MARTOL EV** oils is formulated with a solvent based carrier. Some will contain lubricity and/or extreme pressure agents. The solvent carriers wet out and cool while the lubricity and extreme pressure agents prevent abrasion and pick-up. The solvent carriers evaporate leaving behind a minute film, which generally doesn't require removal. Lithographed metals are unaffected.
- **MARTOL EV** oils are designed for light gauge stamping, blanking, and hydro-forming. Stock up to 0.030" thick is usually acceptable for use with the **MARTOL EV** products.
- **MARTOL EV** oils compounded with only fat find particular use as stamping lubricants for non-ferrous metals. Those compounded with phosphorus or chlorine and fats are well suited for carbon steels. The **MARTOL EV 4755** is primarily recommended for stainless steel applications. All, however, are adaptable and have seen satisfactory use in both ferrous and non-ferrous applications. These products are usually fed to felt wipers or rollers in contact with the metal strip.

### ADVANTAGES

- Good pressing capacity.
- Generally doesn't require degreasing.
- Handles a broad spectrum of ferrous and non-ferrous metals.
- Excellent metal wetting ability.
- Non-staining, non-corrosive, and non-toxic.
- Odorless.
- Fast drying.

### TYPICAL CHARACTERISTICS MARTOL EV

Property	622	1924	1982	4535	4583	4706	4755	7121
Viscosity @ 40°C, cSt	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Flash Point, COC, °F	130	130	130	130	130	130	130	130
Lubricity Content, %wt.	5.0	0.0	5.0	10.0	2.0	0.0	10.0	12.0
Phosphorus, ppm.	0.0	< 700	0.0	0.0	0.0	0.0	0.0	> 2800
Chlorine, %wt.	2.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0

TOTAL Lubricants USA, Inc.

Martol EV series  
Sheet updated: 11-11-2013

5 North Stiles Street  
Linden, NJ 07036  
908.862.9300 or 800.526.3198  
[www.totallubricantsusa.com](http://www.totallubricantsusa.com)