

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 | | | | | | | | |
|-------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 207 | 225 | 622 | 1924 | 1982 | 4535 | 4583 | 4706 | 4755 |
| Viscosity @ 40°C, cSt | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 | < 3.0 |
| Flash Point, COC, °F | 105 | 100 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| Lubricity Content, %wt. | 3.0 | 5.0 | 5.0 | 0.0 | 5.0 | 10.0 | 2.0 | 0.0 | 10.0 |
| Phosphorus, ppm. | 0.0 | 0.0 | 0.0 | < 700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Chlorine, %wt. | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 |

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