

# MARTOL FMO 15 CF



*Metalworking*



Food grade stamping and deep drawing lubricant for aluminium packaging.

## UTILISATIONS

- Stamping and drawing oil based on medium chain triglycerides (MCTs).
- **MARTOL FMO 15 CF** is largely used in the stamping and deep drawing of aluminium foils for food-packaging.
- Application using roller, brush or by spraying.

## SPECIFICATIONS

NSF-3H registered

- **MARTOL FMO 15 CF** is NSF-3H registered.
- Suitable for direct food contact according to FDA 21 CFR 172-182-184.
- **MARTOL FMO 15 CF** meets FDA 21 CFR 178.3570 requirements.
- **MARTOL FMO 15 CF** has a 100% vegetable origin.
- Meets the KOSHER requirements.

## ADVANTAGES

Very good oiliness

No rancidity

- **MARTOL FMO 15 CF** is formulated with a high viscosity, providing:
  - Very good lubricating properties during stamping.
  - Excellent antiseizing properties between metal sheet and die.
- **MARTOL FMO 15 CF** provides enhanced lubricating properties.
- **MARTOL FMO 15 CF** doesn't turn rancid nor produces any bad smell even during extended storage in a warm place. **No sign of rancidity in Rancimat test (100 hours at 100°C).**

TYPICAL CHARACTERISTICS	METHODS	UNITS	MARTOL FMO 15 CF
Aspect	Visual	-	Clear liquid
Colour	Visual	-	Clear yellow
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	947
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	14.8
Viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	3.59
Acid number	ISO 6618	mg KOH/g	0.10
Flash point open cup	ISO 2592	°C	240

Above characteristics are mean values given as an information.

**Caution:** The suggested product shelf-life is 2 years from the date of manufacture. Contact your local sales representative before using product aged beyond 5 years.

TOTAL LUBRIFIANTS  
INDUSTRIE

24-07-2013 (supersedes 10-10-2012)

MARTOL FMO 15 CF

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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded from [www.quick-fds.com](http://www.quick-fds.com).