

MOL Emcool EV 303

evaporating forming fluid



MOL Emcool EV 303 is an environmentally-friendly metal forming fluid made from a mixture of natural esters and water. It does not contain mineral oil derivatives, dangerous components and VOC free. The product is ready for application and does not require further treatment.

Application



Forming of fine sheets

Smooth stamping, punching, bending

Stamping of coating-free and lacquered sheet parts of electric motors

Steel, light and yellow metals

For industrial use

Features and benefits

Inactive anti-wear additive content	General-purpose product for machining various metals (steel, non-ferrous and light metals)
Effective washing and rinsing properties	Keeps tool clean, prevents adhesion and seizure of metal particles and protects tool condition long-term
Compatible with coatings	Paints, lacquers and galvanised coating systems are not damaged
Excellent surface wetting	A continuous, easily spread film layer is formed on metal surfaces, ensuring continuity of lubrication

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Features and benefits (continue)

Minimum evaporation residue	Enables degreasing to be omitted
Mild odour	More comfortable working environments
Free of volatile organic compounds (VOC)	Safer and more comfortable working environments Does not contain volatile hydrocarbon compounds, minimized exposure to air
Free of petroleum	Excellent fire resistance and low toxicity

Specifications and approvals

ISO 6743-7: L-MAB

Properties

Properties	Typical values
Appearance	colourless, opalescent
Density at 15 °C [g/cm ³]	1,008
Kinematic viscosity at 20°C [mm ² /s]	1,3
Kinematic viscosity at 40°C [mm ² /s]	0,9
Emulsion pH value	8,2
Anticorrosion effect - Filter-paper test [grade]	0
Reichert wearing test	
- noise meter [m]	17

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

Store in the original container in dry, properly ventilated area.

Keep away from direct flame and other sources of ignition.

Protect from direct sunlight.

To preserve the original quality keep the suggested storage temperature.

During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

In the concentration specified for use and in case of keeping the health safety rules, the emulsions are not harmful to human health and do not cause skin affection.

For further details please read the Material Safety Data Sheet of the product.

In the original container under the recommended storage conditions: 6 months

Recommended storage temperature: +5°C - +30°C