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## Energol LM

### Rolling and Grinding Oil

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#### Description; Description

Energol LM is a light distillate product. It has practically no odour and a high flash point, giving benefits of low evaporation and misting.

Energol LM can be used for a variety of applications. It can be used as the base fluid for rolling oils and also as a grinding fluid in the machine shop.

#### Applications; Applications

Energol LM can be used for the cold rolling of aluminium strip where freedom from staining is not a primary requirement.

Energol LM can also be used for the grinding of hard metals. Energol LM provides an inert grinding fluid, thus preventing the dissolution of cobalt into the fluid.

#### Main Benefits; Main Benefits

- Low level of aromatic hydrocarbons
- Low odour for operator comfort
- Low volatility characteristics
- Good solubility of additives during the rolling process

- Low sulphur content
- High flash point for low fire risk
- Does not allow dissolution of cobalt when grinding hard metals

#### Storage; Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration  
; All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration

of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.; of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

#### Health, Safety and Environment; Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.; Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and

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disposal of used products.

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## Typical Characteristics; Typical Characteristics

	Test Methods; Test Methods	Units; Units	Grade :: Grade :
			<b>Energol LM</b>
Appearance			clear liquid
Density at 15°C	ASTMD1298	kg/m <sup>3</sup>	836
Kinematic Viscosity at 40°C	ASTMD445	mm <sup>2</sup> /s	3.3
Flash Point (PMC)	ASTMD93	°C	118
Pour Point	ASTMD97	°C	-15

*The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.; The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.*

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