



**SASOL**

# MARLOWET M 320 VG

Technical Data Sheet No. 5255 – June 2016

## Sales Specification

Property	Test Method	Unit	Guaranteed Value <sup>1</sup>
√ Appearance at 25°C	Visual	-	Clear liquid
√ Colour	RCM 3668	APHA	≤ 50
√ Hydroxyl number	RCM 3851	°C	15-17
√ Free Water (Karl Fischer)	RCM 3804	% mass	≤ 0,10
Kinematic viscosity (40°C)	ASTM D7042	cSt	280-340

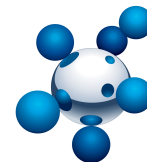
√ value reported on inspection certificate.

<sup>1</sup> developmental specification .

## Additional Properties

Property	Test Method	Unit	Typical Value
Average Molecular weight	Calculated	g/mol	3700
Pour point	ASTM D 97	°C	- 40
Viscosity at 25°C	ASTM D445 / ASTM D7042	cSt	260
Viscosity at 40°C	ASTM D445 / ASTM D7042	cSt	310
Viscosity at 100°C	ASTM D445 / ASTM D7042	cSt	50
Viscosity Index	ASTM 2270-04	-	225
Density at 25°C	ASTM D7042 / ASTM D4052	kg/m <sup>3</sup>	980

RCM is a Sasol Italy analytical method, internal or referred to international standard. Additional information available upon request.



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## Main Applications

MARLOWET M 320 VG is ASH FREE, due to the absence of inorganic residues, the product can be used as a fuel additive exhibiting excellent deposit control.

MARLOWET M 320 VG is a High Performance Group V synthetic fluid, MARLOWET M fluids are designed for gearboxes, bearings and chains operating in the most challenging conditions. The product may also be used as a base for Refrigerant Lubricants.

MARLOWET M fluids provide outstanding thermal stability, excellent extreme pressure and anti-wear performance as well as protection against micro-pitting.

MARLOWET M 320 VG may be used as a friction modifiers or Coupling Agents.

MARLOWET M are synthesised to give viscosities according to the ISO VG standard. Products from the Marlowet M series may be blended together to achieve other desired viscosities.

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## Handling and Storage

MARLOWET M 320 VG should preferably be stored in stainless steel tanks.

It is suggested to keep the product at temperature below 30°C, it is preferable to avoid heating above 50°C and to store under nitrogen in order to minimise yellowish phenomena.

MARLOWET M 320 VG is a clear liquid at room temperature it has pour point lower than – 50°C therefore it can be easily handled even at temperature about 0°C .

Shelf-life is 36 months from production date for product in its original and sealed packaging.

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## Packaging

MARLOWET M 320 VG is generally supplied in drums, details on available packaging can be obtained from sales department.

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Data regarding safety, transport classes, toxicology and biodegradability of the product can be obtained from the corresponding material safety data sheet.

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