



Region Global

Product Category Synthetic Paraffins

CAS Registry Number 1437281 -03-2

Description MasimoSol GTL G80 is a high-performance fluid derived from natural gas feedstock converted into synthetic paraffins with state-of-the-art catalyst technology. Because of this combination of gaseous feedstock and intensive process control, undesirable impurities (i.e. aromatics, olefins, sulfur, etc.) are virtually non-detectable.

- clean burning characteristics
- low cloud/ freeze/ pour point
- low odour
- low toxicity
- low vapor pressure
- low viscosity at high flash point
- ready biodegradability

MasimoSol GTL G80 is part of the MasimoSol GTL range of products which can be provided in varying flash points and viscosities

Typical Properties

Property	Unit	Method	Value
API Gravity	-	ASTM D4052	52.9
Specific Gravity @ 15.6°C/15.6 C [60°F/60°F]	-	ASTM D4052	0.767
Density @ 15.6°C [60°F]	kg/L	ASTM D4052	0.767
Density @ 15.6°C [60°F]	lb/gal	ASTM D4052	6.4
Density @ 15°C	kg/m ³	ASTM D4052	767
Coefficient of Cubic Expansion @ 20°C	10 ⁻⁴ /°C	Calculated	10
Color	Saybolt	ASTM D156	+ 30
Distillation, Initial Boiling Point	°C	ASTM D86	202
Distillation, Final Boiling Point	°C	ASTM D86	275
Vapor Pressure @ 20°C	kPa	Calculated	< 0.01

Antoine Constant A #	kPa, °C	-	6.97927
Antoine Constant B #	kPa, °C	-	1722.48
Antoine Constant C #	kPa, °C	-	188.451
Volatile Organic Compound (VOC), CARB LVP voe Exemption %	%	-	100
Paraffins	% m/m	GC	> 99
Naphthenes	% m/m	GC	0.5
Aromatics	mg/kg	SMS 2728	0.04
Benzene	mg/kg	GC	< 0.01
BTEX	mg/kg	GC	< 0.1
Sulfur	mg/kg	ISO 20846	< 3
Flash Point	°C	ASTM D93	84
Electrical Conductivity @ 25°C	pS/m	IEC 60247	< 0.1
Pour Point	°C	ASTM D97	- 40
Hildebrand Solubility Parameter	(cal/cm ³) ^{1/2}	-	7.5
Hydrogen Bonding Index	-	-	0
Fractional Polarity	-	-	0
Surface Tension @ 20°C	mN/m	-	28
Viscosity @ 25°C	mm ² /s	ASTM D445	2.4
Viscosity @ 40°C	mm ² /s	ASTM D445	1.8
Molecular Weight	g/mol	Calculated	192

Test Methods

Copies of copyrighted test methods can be obtained from the issuing organisations:

American Society for Testing and Materials (ASTM): www.astm.org
 International Electrotechnical Commission (IEC): www.iec.ch
 International Organization for Standardization (ISO): www.iso.org
 Deutsches Institut für Normung (DIN): www.din.de



N.B: For routine quality control local test methods may be applied. Such methods have been validated against those mentioned in this datasheet.

Quality

MasimoSol GTL G80 does not contain detectable quantities of heavy metals and chlorinated compounds.

Storage and Handling

Provided proper storage and handling precautions are taken we would expect MasimoSol GTL G80 to be technically stable for at least 12 months. All detailed advice on Storage and Handling please refer to the Safety Data Sheet on www.masimochem.com/.

Hazard Information

For detailed Hazard Information please refer to the Safety Data Sheet on www.masimochem.com/.

Trademark

MasimoSol is a Masimo Chemicals South Africa (Pty) Ltd trademark.

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