

VCS GTL G80 - Aerosols

VCS Gas to Liquid (GTL) Fluid 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, concentrations of undesirable impurities (ie aromatics, olefins, sulfur, etc.) are virtually non-detectable.

BENEFITS

- Clean burning characteristics
- Low cloud/ freeze/ pour point
- Low odor
- Low toxicity
- Low vapor pressure
- Low viscosity at high flash point
- Ready biodegradability

VCS GTL Fluid G80 is part of the VCS GTL Performance Fluids range of products which can be provided in varying flash points and viscosities.

QUALITY

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

RECOMMENDED BLENDING, HANDLING & STORAGE CONDITIONS

Provided proper storage and handling precautions are taken we would expect **VCS GTL Fluid G80** to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Safety Data Sheet.

NOTE: Values indicated are typical physical properties and are not specification limits. Seller offers no warranty, expressed or implied, concerning the suitability of this product for any particular purpose.



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Property	Unit	Method	Value
Appearance	-	ASTM 4176	Clear, free from suspended matter
Refractive index	-	ASTM D1218	1.4285
API Gravity	-	ASTM D4052	52.9
Specific Gravity @15.6°C/15.6°C [60°F/60°F]	-	ASTM D4052	0.767
Density @15°C	kg/m ³	ASTM D4052	767
Coefficient of Cubic Expansion @20°C	10. ⁻⁴ /°C	Calculated	10
Colour	Saybolt	ASTM D156	30
Distillation, Initial Boiling Point	°C	ASTM D86	200
Distillation, Final Boiling Point	°C	ASTM D86	260
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
Relative evaporation rate (nBuAc = 1)	-	ASTM D3539	<0.01
Relative evaporation rate (Ether = 1)	-	DIN53170	>3900
Volatile Organic Compound (VOC), CARB LVP VOC Exemption	% exempted	-	100
VOC content, EPA method 24	%	EPA24	81
Volatile Organic Compound (VOC)	g/L	EU / EPA	767
Paraffins	% m/m	GC	>99
Naphthenes	% m/m	GC	0.5
Aromatics	% m/m	ASTM D6591	<0.03
Benzene	mg/kg	GC	<0.01
BTEX	mg/kg	GC	<0.1
Sulfur	mg/kg	ASTM D5453	< 3
Bromine index	Mg Br/100g	ASTM D2710	<0.5
Flash Point	°C	ASTM D93	83
Electrical Conductivity @20°C	pS/m	ASTM D2624	<1
Thermal conductivity @ 20°C	W/m/°C	-	0.13
Pour Point	°C	ASTM D97	-40
Aniline point	°C	ASTM D611	87
Kauri Butanol value	-	ASTM D1133	22
Copper Corrosion (1 hour @ 100°C)	-	ASTM D130	1a
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

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