



Shell Chemicals

Data Sheet

Product Name

VM&P Naphtha HT

This product is manufactured at more than one production site. The sales specifications of these products are the same, some typical data however may differ. Click on the production site below to obtain the right datasheet:

[Lemont, IL](#)

[Cotton Valley, LA](#)

[Canada](#)



Data Sheet

Issued:

07-Apr-2005

Product Name

VM&P Naphtha HT

Product Code**Q6002****North America****Lemont, IL****Product Category****Special Boiling Point Solvents****CAS Registry Number**

64742-89-8

Description

VM&P Naphtha HT is a medium evaporating hydrocarbon solvent. It has an increased cycloparaffin content and hence solvency. The high degree of general refining gives this solvent its low level of impurities such as sulphur, olefins, benzene and total aromatics and low odor.

Sales Specification

Property	Unit	Min	Max	Method
Color	Saybolt	28		ASTM D156
API Gravity @15.6°C	API	52.2	63.1	ASTM D4052
Copper Corrosion (3hr @100°C)	-		1	ASTM D130
Distillation, IBP	°C	118.3		ASTM D86
Distillation, DP	°C		148.9	ASTM D86
Aromatics	% v/v		1.0	ASTM D3257
Flash Point, TCC	°C	10		ASTM D56
Aniline Point	°C		71.1	ASTM D611

Typical Properties	Property	Unit	Method	Value
	Color	Saybolt	ASTM D156	+30
	API Gravity	-	ASTM D4052	54.4
	Density @15.6°C	lb/gal	ASTM D4052	6.34
	Specific Gravity @15.6/15.6°C	-	ASTM D4052	0.761
	Refractive Index @20°C	-	ASTM D1218	1.420
	Acidity as Acetic Acid	% m/m	ASTM D1613	< 0.001
	Acidity Distillation Residue	-	ASTM D1093	Neutral
	Copper Corrosion (3hr @100°C)	-	ASTM D130	1
	Doctor Test	-	ASTM D235	Negative
	Non Volatile Matter	g/100mL	ASTM D1353	< 0.001
	Distillation, IBP	°C	ASTM D86	131
	Distillation, DP	°C	ASTM D86	144
	Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	1.0
	Vapor Pressure @20°C	kPa	-	1.5
	Paraffins	%v/v	GC	33
	Naphthenes	%v/v	GC	67
	Aromatics	%v/v	ASTM D3257	0.2
	Benzene	%v/v	GC	< 0.002
	Sulfur	mg/kg	ASTM D4045	< 1
	Flash Point	°C	ASTM D56	20
	Explosion Limit: Lower	%v/v	-	0.9
	Explosion Limit: Upper	%v/v	-	7.0
	Aniline Point (M=Mixed)	°C	ASTM D611	60
	Kauri-Butanol Value	-	ASTM D1133	36
	Hildebrand Solubility Parameter	(cal/cm ³) ^{1/2}	-	7.7
	Viscosity @20°C	cSt	ASTM D445	0.79
Test Methods	<p>Copies of copyrighted test methods can be obtained from the issuing organisations:</p> <p>American Society for Testing and Materials (ASTM) : www.astm.org Energy Institute (IP) : www.energyinst.org.uk Deutsches Institut für Normung (DIN) : www.din.de</p> <p>Shell Method Series (SMS) methods are issued by Shell International Chemicals B.V., Shell Research and Technology Centre, Amsterdam, The Netherlands. Copies of SMS can be obtained through your local Shell Chemicals company.</p> <p>For routine quality control analyses, local test methods may be applied that are different from those mentioned in this datasheet. Such methods have been validated and can be obtained through your local Shell Chemicals company.</p>			
Quality	<p>VM&P Naphtha HT does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.</p>			

Storage and Handling	Provided proper storage and handling precautions are taken we would expect VM&P Naphtha HT to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Material Safety Data Sheet on www.shell.com/chemicals .
Hazard Information	For detailed Hazard Information please refer to the Material Safety Data Sheet on www.shell.com/chemicals .
Contact	For further information, please visit our website at www.shell.com/chemicals , contact your local Shell representative, or call the 'Shell Chemicals' order center at 1 866 89 SHELL (1 866 897 4355).
Warranty	<p>All products purchased or supplied by Shell are subject to terms and conditions set out in the contract, order acknowledgment and/or bill of lading. Shell warrants that its product will meet those specifications designated as such herein or in other publications. All other information including that herein, supplied by Shell is considered accurate but is furnished upon the express condition that the customer shall make its own assessment to determine the products suitability for a particular purpose. Shell makes no other warranty either expressed or implied, regarding such other information, the data upon which the same is based, or the results to be obtained from use thereof; that any products shall be merchantable or fit for any purpose; or that the use of such other information or product will not infringe any patent.</p> <p>The expression 'Shell Chemicals' refers to the companies of the Royal Dutch/Shell Group which are engaged in chemical businesses. Each of the companies which make up the Royal Dutch/Shell Group of companies is an independent entity and has its own separate identity.</p>



Data Sheet

Issued:

07-Apr-2005

Product Name

VM&P Naphtha HT

Product Code**Q6002 North America Cotton Valley, LA****Product Category****Special Boiling Point Solvents****CAS Registry Number**

64742-89-8

Description

VM&P Naphtha HT is a medium evaporating hydrocarbon solvent. It has an increased cycloparaffin content and hence solvency. The high degree of general refining gives this solvent its low level of impurities such as sulphur, olefins, benzene and total aromatics and low odor.

Sales Specification

Property	Unit	Min	Max	Method
Color	Saybolt	28		ASTM D156
API Gravity @15.6°C	API	52.2	63.1	ASTM D4052
Copper Corrosion (3hr @100°C)			1	ASTM D130
Distillation, IBP	°C	118.3		ASTM D86
Distillation, DP	°C		148.9	ASTM D86
Aromatics	% v/v		1.0	ASTM D3257
Flash Point, TCC	°C	10		ASTM D56
Aniline Point	°C		71.1	ASTM D611

Typical Properties	Property	Unit	Method	Value
	Color	Saybolt	ASTM D156	+30
	API Gravity	-	ASTM D4052	59.2
	Density @15.6°C	lb/gal	ASTM D4052	6.19
	Specific Gravity @15.6/15.6°C	-	ASTM D1250	0.742
	Refractive Index @25°C	-	ASTM D1747	1.408
	Copper Corrosion (3hr @100°C)	-	ASTM D130	1
	Distillation, IBP	°C	ASTM D86	124
	Distillation, DP	°C	ASTM D86	146
	Aromatics	%v/v	ASTM D3257	1
	Flash Point	°C	ASTM D56	13
	Explosion Limit: Lower	%v/v	-	0.9
	Explosion Limit: Upper	%v/v	-	7.0
	Aniline Point (M=Mixed)	°C	ASTM D611	67
	Kauri-Butanol Value	-	ASTM D1133	32
Test Methods	<p>Copies of copyrighted test methods can be obtained from the issuing organisations:</p> <p>American Society for Testing and Materials (ASTM) : www.astm.org Energy Institute (IP) : www.energyinst.org.uk Deutsches Institut für Normung (DIN) : www.din.de</p> <p>Shell Method Series (SMS) methods are issued by Shell International Chemicals B.V., Shell Research and Technology Centre, Amsterdam, The Netherlands. Copies of SMS can be obtained through your local Shell Chemicals company.</p> <p>For routine quality control analyses, local test methods may be applied that are different from those mentioned in this datasheet. Such methods have been validated and can be obtained through your local Shell Chemicals company.</p>			
Quality	VM Naphtha HT does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.			
Storage and Handling	Provided proper storage and handling precautions are taken we would expect VM Naphtha HT to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Material Safety Data Sheet on www.shell.com/chemicals .			
Hazard Information	For detailed Hazard Information please refer to the Material Safety Data Sheet on www.shell.com/chemicals .			
Contact	For further information, please visit our website at www.shell.com/chemicals , contact your local Shell representative, or call the 'Shell Chemicals' order center at 1 866 89 SHELL (1 866 897 4355).			

Warranty

All products purchased or supplied by Shell are subject to terms and conditions set out in the contract, order acknowledgment and/or bill of lading. Shell warrants that its product will meet those specifications designated as such herein or in other publications. All other information including that herein, supplied by Shell is considered accurate but is furnished upon the express condition that the customer shall make its own assessment to determine the products suitability for a particular purpose. Shell makes no other warranty either expressed or implied, regarding such other information, the data upon which the same is based, or the results to be obtained from use thereof; that any products shall be merchantable or fit for any purpose; or that the use of such other information or product will not infringe any patent.

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Data Sheet

Issued:

07-Apr-2005

Product Name

VM&P Naphtha HT

Product Code**Q6002****North America****Sarnia****Product Category****Special Boiling Point Solvents****CAS Registry Number**

64742-89-8

Description

VM&P Naphtha HT is a medium evaporating hydrocarbon solvent. It has an increased cycloparaffin content and hence solvency. The high degree of general refining gives this solvent its low level of impurities such as sulphur, olefins, benzene and total aromatics and low odor.

Sales Specification

Property	Unit	Min	Max	Method
Color	Saybolt	28		ASTM D156
API Gravity @15.6°C	API	52.2	63.1	ASTM D4052
Copper Corrosion (3hr @100°C)			1	ASTM D130
Distillation, IBP	°C	118.3		ASTM D86
Distillation, DP	°C		148.9	ASTM D86
Aromatics	% v/v		1.0	ASTM D3257
Flash Point, TCC	°C	10		ASTM D56
Aniline Point	°C		71.1	ASTM D611

Typical Properties	Property	Unit	Method	Value
	Color	Saybolt	ASTM D156	+30
	API Gravity	-	ASTM D4052	56.2
	Density @15°C	kg/L	ASTM D4052	0.754
	Density @15.6°C	lb/gal	ASTM D4052	6.29
	Specific Gravity @15.6/15.6°C	-	ASTM D4052	0.754
	Copper Corrosion (3hr @100°C)	-	ASTM D130	1
	Distillation, IBP	°C	ASTM D86	122
	Distillation, 50%v	°C	ASTM D86	126
	Distillation, DP	°C	ASTM D86	140
	Evaporation Time (nBuAc=470sec)	seconds	ASTM D3539	336
	Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	1.4
	Vapor Pressure @20°C	kPa	Calculated	1.3
	Paraffins	% m/m	GC	48
	Naphthenes	% m/m	GC	52
	Aromatics	%v/v	ASTM D3257	< 0.1
	Benzene	%v/v	GC	< 0.01
	Flash Point	°C	ASTM D56	16
	Auto Ignition Temperature	°C	ASTM E659	260
	Explosion Limit: Lower	%v/v	-	0.9
	Explosion Limit: Upper	%v/v	-	7.0
	VOC Content	g/L	ASTM D4052	754
	Aniline Point (M=Mixed)	°C	ASTM D611	61
	Kauri-Butanol Value	-	ASTM D1133	36
	Hildebrand Solubility Parameter	(cal/cm ³) ^{1/2}	-	7.6
	Hydrogen Bonding Index	-	-	0.0
	Fractional Polarity	-	-	0.0
	Viscosity @25°C	cSt	ASTM D445	0.83
	Molecular Weight	g/mol	-	120
Test Methods	<p>Copies of copyrighted test methods can be obtained from the issuing organisations:</p> <p>American Society for Testing and Materials (ASTM) : www.astm.org Energy Institute (IP) : www.energyinst.org.uk Deutsches Institut für Normung (DIN) : www.din.de</p> <p>Shell Method Series (SMS) methods are issued by Shell International Chemicals B.V., Shell Research and Technology Centre, Amsterdam, The Netherlands. Copies of SMS can be obtained through your local Shell Chemicals company.</p> <p>For routine quality control analyses, local test methods may be applied that are different from those mentioned in this datasheet. Such methods have been validated and can be obtained through your local Shell Chemicals company.</p>			

Quality	VM&P Naphtha HT does not contain detectable quantities of heavy metals, chlorinated compounds or polycyclic aromatic hydrocarbons.
Storage and Handling	Provided proper storage and handling precautions are taken we would expect VM&P Naphtha HT to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Material Safety Data Sheet on www.shell.com/chemicals .
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