



Chevron Phillips Chemical Company Issued Sales Specification

Name of Product

Revision Date

N-DODECYL METHYL SULFIDE

5/5/2011

Chevron Phillips Chemical Company LP
10001 Six Pines Drive
The Woodlands, TX 77380
800-858-4327
Technical Service: 832-813-4862

Chevron Phillips Chemical International N.V.
Airport Plaza - Stockholm Building
Leonardo Da Vincilaan 19
1831 Diegem, Belgium
+32 2 689 1211

Chevron Phillips Chemicals Asia PTE Ltd.
1 Harbour Front Avenue
#09-01 Keppel Bay Tower
Singapore, 098632
+65 6517 3100

Test	Units	Method	Typical	Minimum	Maximum	Qualitative	Note
1-Dodecene	WT%	Chromatography	>0.01	---	0.15	---	---
Appearance	---	Visual	Clear, Lightly Colored Liquid	---	---	Clear, Lightly Colored Liquid	Clear, Lightly Colored Liquid
Density @ 20 C	g/ml	ASTM D-4052	0.8464	0.835	0.855	---	---
Isomers	WT%	Chromatography	2.4	---	5.0	---	---
Mercaptan Sulfur	WT%	ASTM D-3227	0.014	---	0.1	---	---
Methyl Mercaptan	WT%	Chromatography	>0.01	---	0.10	---	---
n-Dodecyl Methyl Sulfide	WT%	Chromatography	96.4	95.0	---	---	---
Refractive Index	---	ASTM D-1218	1.461	1.460	1.462	---	---
Other	Units	Method	Typical	Minimum	Maximum	Qualitative	Note
Distillation - 5%	CEL	ASTM D-86	294	---	---	---	---
Distillation - 95%	CEL	ASTM D-1078	315	---	---	---	---
Flash Point, Deg C (ASTM D-93)	---	---	142	---	---	---	---
Insoluble in	---	---	Water, methanol	---	---	---	---
Molecular Weight, g/mol	---	---	216	---	---	---	---
Soluble in	---	---	Acetone, THF, isopropanol , pentane, heptane	---	---	---	---
Viscosity at 25C, cP	---	---	3.71	---	---	---	---

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