



# Chevron Phillips Chemical Company Issued Sales Specification

Name of Product  
ETHYL MERCAPTAN PURE

Revision Date  
9/9/2011

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
Appearance	---	Visual	Clear with no particulate matter	---	---	Clear with no particulate matter	---
Cloud Point	FAH	ASTM D-2386 mod	< -40	---	-20	---	---
Ethyl Mercaptan	WT%	Chromatography	99.7	99.00	---	---	---
Specific Gravity 60/60	---	ASTM D-4052	0.845	0.840	0.850	---	---
Other	Units	Method	Typical	Minimum	Maximum	Qualitative	Note
Boiling Point @ 14.7 psia, FAH (Literature Value)	---	---	95	---	---	---	---
Coefficient of Expansion, 1/Deg C (Literature Value)	---	---	0.00114	---	---	---	---
Density @ 60 F	LB/GAL	ASTM D-4052	7.03	---	---	---	---
Flash Point, FAH (Estimated)	---	---	-55	---	---	---	---
Freezing Point, FAH (Literature Value)	FAH	ASTM D-2386	-234	---	---	---	---
Isopropyl Mercaptan	WT%	Chromatography	0.1	---	---	---	---
n-Propyl Mercaptan	WT%	Chromatography	Trace	---	---	---	---
Sulfur Content, WT% (Literature Value)	WT%	ASTM D-4294	51.4	---	---	---	---
t-Butyl Mercaptan	WT%	Chromatography	Trace	---	---	---	---
Vapor Pressure @ 100.4 F, PSI	PSI	ASTM D-5191	16.2	---	---	---	---
Viscosity at 68 FAH, cP (Literature Value)	---	---	0.293	---	---	---	---

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