



Chevron Phillips Chemical Company Issued Sales Specification

Name of Product

N-BUTYL MERCAPTAN TECH

Revision Date

11/19/2011

Chevron Phillips Chemical Company LP

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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	< -20	---	-20	---	---
Distillation - DP	CEL	ASTM D-1078	99.4	---	110	---	---
Distillation - IBP	CEL	ASTM D-1078	97.4	96	---	---	---
n-Butyl Mercaptan	WT%	Chromatography	98.9	98.5	---	---	---
Di-N-Butyl Disulfide	WT%	Chromatography	0.013	---	0.3	---	---
Other	Units	Method	Typical	Minimum	Maximum	Qualitative	Note
Coefficient of Expansion, 1/deg C (Literature Value)	---	---	0.00103	---	---	---	---
Density @ 15C	g/ml	ASTM D-4052	0.840	---	---	---	---
Density @ 60 F	LB/GAL	ASTM D-4052	7.01	---	---	---	---
Distillation - 50%	CEL	ASTM D-86	97.7	---	---	---	---
Flash Point, TCC	FAH	ASTM D-56	38	---	---	---	---
Freezing Point, FAH (Literature Value)	---	---	-176	---	---	---	---
Mercaptan Sulfur	WT%	CPChem SLP-1204	35.2	---	---	---	---
Specific Gravity 15/15	---	ASTM D-4052	0.842	---	---	---	---
Vapor Pressure @ 100.4 F, PSI	PSI	ASTM D-5191	1.6	---	---	---	---
Vapor Pressure at 37.8 deg C, ATM (Calculated)	---	---	0.11	---	---	---	---
Viscosity at 68F, cP (Literature Value)	---	---	0.497	---	---	---	---

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