

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

Chevron Phillips Chemicals International N.V.
Brusselsesteenweg 355
B-3090 Overijse, Belgium
+32 (0) 2 689 12 11

Chevron Phillips Chemicals Asia PTE Ltd.
5 Temasek Boulevard
05-01 Suntec Tower Five
Singapore 038985
+65 6337 9700

Scentinel[®] O-10-SB Gas Odorant

Property	Typical Value	Specification	Test Method
Composition, wt %			Chromatography
<i>tert</i> -Butyl Mercaptan	9.5	7.5 – 11.5	
Isopropyl Mercaptan	68	66 – 70	
<i>n</i> -Propyl Mercaptan	9.5	7.5 – 11.5	
Dimethyl Sulfide	9.5	7.5 – 11.5	
<i>sec</i> -Butyl Mercaptan	3	1.5 – 4.5	
Other Mercaptans	0.5	5 max	
Distillation Range at 760 mmHg, °F			ASTM D 86
Initial Boiling Point	125	115 min	
50%	129		
90%	137		
End Point	148	170 max	
Specific Gravity at 60/60 °F	0.825	0.82 – 0.83	ASTM D 891
Cloud Point, °F	<-50	-50 max	ASTM D 2386 (modified)
Freezing Point, °F	<-50	-50 max	ASTM D 2386 (modified)
Color, APHA	15	30 max	ASTM D 1209
Appearance	Clear with no particulate matter	Clear with no particulate matter	Visual
Density of Liquid at 60 °F, lb/gal	6.86		ASTM D 1250
1/2 Doctor Test	Sweet		ASTM D 235
Other Properties			
Reid Vapor Pressure at 100 °F, psia	9.0		Literature
Flash Point, °F	<0		Open Cup, Estimated
Sulfur Content, wt %	42		Calculated

Product Number: 1024708

Revised: 08/19/04

Notice: Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.