



Raffinate

Raffinate 1 (petroleum gas, butane-butene raffinate) is the remain of C4-fraction after the extraction of 1,3-butadiene. Raffinate 1 is the hydrocarbon (butane-butene) gas mixture. It is extremely flammable, colorless gas, with slight aromatic odor. It is used as a raw material for isobutene production. Isobutene with methanol is used in MTBE production (methyl tertiary buthyl ether).

TYPICAL SPECIFICATION			
CHARACTERISTICS	UNIT	SPECIFICATION	TEST METHOD
R.V.P	psia	Max 9.5	ASTM D-323
I.B.P	°C	Max 55	ASTM D-86
10% Evaporated	°C	Max 65	ASTM D-86
50% Evaporated	°C	Max 80	ASTM D-86
90% Evaporated	°C	Max 100	ASTM D-86
F.B.P	°C	Max 130	ASTM D-86
Total Recovery	%	Min 97	ASTM D-86
Paraffins	wt%	Max 92	ASTM D-9302
Olefins	wt%	Max 55	ASTM D-9302
Naphthenics	wt%	4.5-20	ASTM D-9302
Aromatics	wt%	Max 65	ASTM D-9302
Density @15.6 ° C	gr/cm ³	0.65-0.70	ASTM D-4052
Total Sulfur	ppm	Max 55	ASTM D-5453
Color	...	Max 15	ASTM D-1209