

**TECHNICAL BROCHURE**  
**N° 555400**

**CHEMICALS**

**OLEFINS**

**BUTENE 1**

Butene 1 is a high purity gas (more than 99 %) produced by distillation and selective hydrogenation of a butane/butene refinery stream.

**APPLICATIONS**

Butene 1 is used in the production of butyl mercaptan, butylene oxide, succinimide (as dispersant), aldehyde intermediates, alcohols, and other C4s' derivatives; and as co-monomer in high and low density polyethylene production.

**SPECIFICATIONS**

<b>Analysis</b>	<b>Specifications</b>	<b>Methods</b>
Purity (wt %)	min. 99.45	INS_-0011341
Isobutene + n-butane + isobutane + c/t 2-butene (wt %)	max. 0.55	INS_-0011341
Acetylene (mg/kg)	max. 3	INS_-0011341
Propadiene + 1,3-Butadiene (mg/kg)	max. 50	INS_-0011341
Oxygen (mg/kg)	max. 1	ASTM D7607
Carbon Monoxide (mg/kg)	max. 2	INS_-0006906
Carbon Dioxide (mg/kg)	max. 2	INS_-0006906
Water (mg/kg)	max. 10	INS_-0007538
Total sulphur (mg/kg)	max. 1	ASTM D7551
Chlorides (mg/kg)	max. 1	UOP 606
Methanol (mg/kg)	max. 1	INS_-0011341
Carbonyls expressed as methyl ethyl ketone (mg/kg)	max. 5	INS_-0011428
Methyl tert-butyl ether (mg/kg)	max. 1	INS_-0011341

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Customer Service:

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