



# Kai Yen International Trading Corporation

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## Butadiene



1,3-Butadiene is a simple conjugated diene. It is an important industrial chemical used as a monomer in the production of synthetic rubber. When the word butadiene is used, most of the time it refers to 1,3-butadiene.

**Chemical Name:**1,3-Butadiene

**Molecular Formula:**C<sub>4</sub>H<sub>6</sub>

**Molecular weight:**54.09

### Typical Properties:

Appearance	Colorless gas
Explosive Limits(V/V)	2.0-12.0%
Boiling Point	-4.4 C
Melting Point	-108.9 C
Specific Gravity	0.64
Flash Point	-78 C

### Specifications:

Grade	Premium Grade	First Grade
Dimethylformamide (as NH <sub>3</sub> ), mg/kg	<=3	<=3
Peroxidate (as H <sub>2</sub> O <sub>2</sub> ), mg/kg	<=10	<=10
Water, mg/kg	<=20	<=500
Inhibitor(TBC), mg/kg	<=50-150	<=50-150
Appearance	Colorless gas	Colorless gas
Dimethylamine (as NH <sub>3</sub> ), mg/kg	<=2	<=2
Oxo-compound (as acetaldehyde), mg/kg	<=10	<=20
Gas phase Oxygen, %(v/v)	<=0.3	<=0.3
Total Alkynes, mg/kg	<=40	<=100
Vinyl Acetylene, mg/kg	<=5	-
Butadiene dimer(calculated as vinyl cyclohexene), mg/kg	<=1000	<=1000
1,3-Butadiene,%(m/m)	>=99.3	>=98.0

**Applications:** The product has a high purity. It can be used to produce cis-1,4-polybutadiene rubber, styrene-butadiene rubber, ABS resin and Nylon 66 etc.

**Packing:** In bulk. (Isotank or Drum)

**Transportation:** Rail tanker, tank truck, special vessel or pipe transfer.

**Storage:** Spherical tank.