

**Technical Data Sheet**

## Butadiene 1,3

1,3-Butadiene is a simple diene with the formula C<sub>4</sub>H<sub>6</sub>. It is an important industrial chemical used as a monomer in the production of synthetic rubber.

**Applications:**

1,3-Butadiene is a colorless gas with a mild gasoline odor and is used to make synthetic rubber. Although it is non-corrosive, 1,3-butadiene is highly flammable. Commercially, it is available as liquefied gas, which is produced by extracting it from crude butylene concentration stream

Analysis	Unit	Specification	Analysis Method
1,3 - Butadiene	wt %	Min. 99.4	ASTM D 2593
1,2 - Butadiene	wt ppm	Max. 100	ASTM D 2593
Total Butenes	wt %	Max. 0.5	ASTM D 2593
Total Acetylenes	wt ppm	Max. 60	ASTM D 2593
TBC	wt ppm	50-200	BASF's method
Dimer (VCH)	wt %	Max. 0.1	ASTM D 2426
Peroxides	wt ppm	Max. 5	BASF's method
Non Volatile Residue	wt %	Max. 0.1	BASF's method
Total Sulfur	wt ppm	Max. 5	ASTM D 5453
Oxygen in Vapor Phase	mol %	Max. 0.2	PORTABLE TRACE OXYGEN ANALYZER