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## Typical Product Specifications & Properties

# Butadiene

CAS Number: : 106-99-0

Specifications	Limits
Molecular weight	54.09
EINECS	203-450-8
InChI	1S/C4H6/c1-3-4-2/h3-4H,1-2H2
InChIKey	KAKZBPTYRLMSJV-UHFFFAOYSA-N
Refractive Index	1.4292
Melting Point	-109 &deg;C
Merck	1509
FreezingPoint	-108.91?
Boiling Point	-4.5 &deg;C
Flash Point	-105 &deg;F
Vapor Density	1.9 (15 &deg;C, vs air)
Density	0.62 g/mL at 20 &deg;C



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Specifications	Limits
Vapor Pressure	1863 mm Hg ( 21 &deg;C)
Storage Temperature	0-6&deg;C
Stability	Stable. Extremely flammable. May form explosive mixtures with air. Incompatible with strong oxidizing agents, copper, copper alloys. May contain stabilizer.
Henry's Law Constant	0.074 atm-m <sup>3</sup> /mole
Melting Point	-1.09E+02 &deg; C
log P (octanol-water)	1.99
Boiling Point	-4.40E+00 &deg; C
Vapor Pressure	2110 mm Hg
Water solubility	735 mg/L
Atmospheric OH Rate Constant	6.66E-11 cm <sup>3</sup> /molecule-sec



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