



Product Data Sheet

ISOPRENE
(2-methyl-butadiene -1,3)

Isoprene monomer is obtained by a two - step dehydrogenation of isopentane , by extractive rectification. It is chemically purified up to polymerization grade.

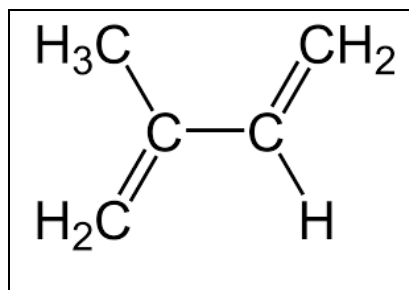
Boiling point: 34.1⁰C

Freezing point: 146⁰C

Density at 20⁰C: 681 kg/m³

Water solubility in isoprene: 0.012%

Explosion limit: 1.6-11.5% (v/v)



SR.NO	ITEM	STANDARD
1	Isoprene content, Wt.%, min	99.0
2	Butenes and pentenes content, Wt.%, max	1.0
3	Piperylenes, Wt.%, max	0.02
4	Cyclopentadiene(CPD) , Wt.%, max	0.0001
5	α – acetylenic hydrocarbons, Wt.%, max	0.0002
6	Butyne-2, Wt. %, max	0.005
7	Carbonyl compounds, Wt.%,max	0.0003
8	Sulfur compounds, Wt.%,max	0.0002
9	Antioxidant TBC ,Wt.%,min	0.005
10	Insoluble water, Wt.%	Absent
11	Peroxide compounds (non – active oxygen), Wt.%, max	0.0005
12	Isoprene dimmers ,Wt.%,max	0.05
13	Dimethylformamide (DMF),Wt.%, max	0.0005

Appearance : colorless or yellowish transparent liquid.

Isoprene is transported in railway tanks or tank – containers designed for pressure.

Stored in containers in warehouse terminals under nitrogen blanket at a max temperature

25°c. Guaranteed shelf life – 3 (three) months from the date of production.