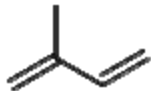




# Kai Yen International Trading Corporation

27601, Forbes Road, suite 59, Laguna Niguel, California 92677, USA  
Tel:949 367 0118 Fax:949 348 1713

## Isoprene



Isoprene, short for isoprene, is a common synonym for the chemical compound methyl-1,3-butadiene. It is commonly used in industry, is an important biological material.

**Chemical Name:**2-Methyl-1,3-Butadiene

**Molecular Formula:**C<sub>5</sub>H<sub>8</sub>

**Molecular weight:**68.12

### Typical Properties:

S. Ignition Point	220.0 C
Explosive Limits(V/V)	1.5-9.7%
Boiling Point	34.1 C
Melting Point	-147.7 C
Specific Gravity	0.6806
Flash Point	-53.89 C

### Specifications:

Grade	Polymeric Grade	Chemical Grade
Piperylene,%	<=0.008	--
Sulfur Content,%	<=0.0005	--
Appearance	Colorless and clear liquid	Colorless and clear liquid
DMF, %	<=0.001	--
Total Alkyls, %	<=0.005	--
Alkanes & Mono-olefins, %	<=surplus	--
Cyclopentadiene, %	<=0.0001	--
Isoprene, %	>= 99.3	>= 98.0
Isoprene Dipolymer, %	<= 0.2	--
Color(Pt-Co)	<= 30	<= 100
Water,%	<=0.02	<=0.03
Carbonyl Compounds, %	<0.01	--

**Applications:** Isoprene is a very important C<sub>5</sub> diolefin, it is mainly used in synthetic rubber, plastic and other synthetic materials. Also can be used to produce perfume, pesticide, medicine and other fine chemicals, for example, pyrethroid, Linalool, Isophytol and Vitamin E.

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

**Transportation:** To be transported as first class dangerous articles, bulk deliveries of tank car.

**Storage:** Store in place with low temperature and good air circulation. Keep away from direct sunlight, heat and fire.