

LG Chemical 1.3-Butadiene

Category : Fluid

Material Notes:

Physical Properties: Colorless, Slightly Sweet taste, Narcotic gas, Easy polymerization and addition reaction

Structure & Characteristics: $\text{CH}_2=\text{CH}-\text{CH}=\text{CH}_2$. Unsaturated fatty acid hydrocarbon. Has a characteristic odor in room temperature, and is an inflammable gas

vaporized at -4.4°C . It readily vaporizes at 2~3 atm near 20°C

Uses: Shock absorber - by blending in Natural rubber, Tire, Shoes, Foam rubber, Paper coating, Electric appliance cases, Interior parts of automobile, Interior parts of automobile, Material for PBT resin, Adipic acid,

Chloro Benzene Rubber. CAS: 106-99-0 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-13-Butadiene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.00188 g/cc	0.00188 g/cc	gas
	0.620 g/cc	0.620 g/cc	liquid
Vapor Pressure	2.41 bar	1810 torr	Vapor Density=1.9
	@Temperature 15.0 $^\circ\text{C}$	@Temperature 59.0 $^\circ\text{F}$	

Thermal Properties	Metric	English	Comments
Melting Point	-144°C	-227°F	
Boiling Point	-4.40°C	24.1°F	
Flash Point	-76.0°C	-105°F	

Descriptive Properties	Value	Comments
Autoignition Temperature	429°C	
Components	1.2-BD	<50 ppm
	1.3-BD	>99%
	CARBONYLS	<30 ppm
	DIMETHYL ACETYLENE	<50 ppm
	NON VOLATILE MATTER	<0.1 %
	PEROXIDES	<10 ppm
	SOLVENT	<10 ppm
	SULFUR	<10 ppm

Descriptive Properties	Value	Comments
	a ACETYLENE	
	TOTAL ALLENE	<50 ppm

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