

2,2-Dimethylpropane (Syn: Neopentane)

CAS # [463-82-1]

Product # 315206

DESCRIPTION: 2,2-Dimethylpropane is a colorless, flammable gas at room temperature and atmospheric pressure.

USES: Specialty gas mixtures, Organic synthesis and Instrument calibration

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Purity:	99.0% minimum
Molecular Formula:	C ₅ H ₁₂
Molecular Weight:	72.17
Density @ Saturation Pressure @ 25°C	0.5851kg/l ¹
Vapor Pressure @21.1°C	21.7 psia ¹
Boiling Point @ 101.325 kPa	9.5°C ¹
Melting Point:	-16.6°C ¹
Odor:	characteristic

TYPICAL IMPURITIES: n-Butane, isobutane, cyclobutane

TOXICITY: 2,2-Dimethylpropane has some degree of anesthetic activity in humans, and is mildly irritating to mucous membranes. It can act as a simple asphyxiant. A Safety Data Sheet is available upon request.

SHIPPING CLASS: UN2044 2,2-Dimethylpropane, 2.1

Cylinder Model/Size	Standard Package Size (Kg)	CGA with diptube (liquid withdrawal)	CGA without diptube (vapor withdrawal)
Lecture Bottle	0.225	n/a	CGA 180
5 lb	2.5	CGA 555	CGA 510
11 lb	5.0	CGA 555	CGA 510
20 lb	10.0	CGA 555	CGA 510
100 lb	50.0	CGA 555	CGA 510
420 lb	220.0	CGA 510	CGA 510

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¹ Matheson Gas Data Book