

# Technical Data Sheet

## 2,2-Dimethylpropane (Syn: Neopentane)

**CAS #** 463-82-1

**Product #** 2143.90

**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 Specification: 99% Min.

Density @ Saturation pressure @ 25°C 0.5851 kg/l<sub>1</sub>

Vapor Pressure @ 21.1°C 21.7 psia<sub>1</sub>

Boiling Point @ 101.325 kPa 9.5°C<sub>1</sub>

Melting Point: -16.6°C<sub>1</sub>

Viscosity, Gas @101.325 kPa @ 20°C 0.00700 cp<sub>1</sub>

Odor: Characteristic

**TYPICAL IMPURITIES:** Propane

**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.

**SHIPPING CLASS:** UN2044 Flammable Gas

Cylinder Size	Volume (Kg)	CGA with diptube (liquid withdraw)	CGA without diptube (vapor withdraw)
Lecture Bottle	0.250	n/a	CGA 180
5 lb	up to 2.2	CGA 510	CGA 555
11 lb	up to 5.0	CGA 510	CGA 555
20 lb	up to 9.0	CGA 510	CGA 555
60 lb	up to 27.0	CGA 510	CGA 555
100 lb	up to 27.0	CGA 510	CGA 555