

# Propane

## Description

Formula:  $C_3H_8$

## Gas Data

Molecular Weight: 44.10  
Density: 1.8580 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
0.11599 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
Specific Volume: 0.53821 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
8.6214 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

## Safety Information

LFL in Air: 2.1%  
UFL in Air: 9.5%

## Shipping Information

CAS Registry Number: 74-98-6  
UN Number: UN 1978  
ECCN Number: 1C982  
DOT Proper Shipping Name: Propane  
DOT Classification: 2.1 (Flammable Gas)  
DOT Label: FLAMMABLE GAS  
TC Shipping Name: Propane  
TC Classification: 2.1  
TC Label: FLAMMABLE GAS

## Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
100	862.9 ft <sup>3</sup>	23 m <sup>3</sup>	510
33	284.7 ft <sup>3</sup>	7 m <sup>3</sup>	510
20	8.629 ft <sup>3</sup>	5 m <sup>3</sup>	510

***Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk. We can handle virtually any size requirement, for customers using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.***



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