



# Hexafluoropropylene

## Description

Synonym: Perfluoropropene  
Formula: C<sub>3</sub>F<sub>6</sub>

## Gas Data

Molecular Weight: 150.02  
Density: 6.24 kg/m<sup>3</sup> @ 20°C, 101.325 kPa  
0.388 lb/ft<sup>3</sup> @ 68°F, 14.696 psia  
Specific Volume: 0.161 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
2.58 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

## Shipping Information

CAS Registry Number: 116-15-4  
UN Number: UN 1858  
ECCN Number: EAR99  
DOT Proper Shipping Name: Hexafluoropropylene, Compressed  
DOT Classification: 2.2 (Nonflammable Gas)  
DOT Label: NON-FLAMMABLE GAS  
TC Shipping Name: Hexafluoropropylene, Compressed  
TC Classification: 2.2  
TC Label: NON-FLAMMABLE GAS,  
NON-POISONOUS GAS

## Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1J	660	85	586	185	84
2L	660	85	586	104	47
3L	660	85	586	53	24
4	660	85	586	27	12
LB	170	85	586	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
			US	Metric		
Hexafluoropropylene CP 99.8%	G1466610	1J	125 lb	56.70 kg	Single Stage Reg. LB Regulator	Series 3530-660 Series 3550-170
	G1466645	2L	30 lb	13.61 kg		
	G1466656	3L	14 lb	6.35 kg		
	G1466665	4	5 lb	2.27 kg		
	G1466675	LB	1 lb	454 gm		

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.