



# Hydrogen Iodide


**Description**

Formula: HI

**Gas Data**

Molecular Weight: 127.91  
 Density: 5.34 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
 0.333 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
 Specific Volume: 0.187 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
 3.00 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

**Shipping Information**

CAS Registry Number: 10034-85-2  
 UN Number: UN 2197  
 ECCN Number: EAR99  
 DOT Proper Shipping Name: Hydrogen Iodide, Anhydrous  
 DOT Classification: 2.3, Hazard Zone C (gas poisonous by inhalation)  
 DOT Label: INHALATION HAZARD   
 TC Shipping Name: Hydrogen Iodide, Anhydrous  
 TC Classification: 2.3  
 TC Label: POISON GAS

**Cylinder Specifications**

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
4	330	95	655	27	12
LB	180	95	655	13	6

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.	Page No.
			US	Metric			
Hydrogen Iodide, Matheson Purity 99.9%	G1851965	4	5 lb	2.27 kg	Single Stage Reg. LB Regulator Cross Purge	Series 3610A-330 Series 3570-180 4774-330	316 314 422
	G1851975	LB	0.55 lb	250 gm			

*A Certificate of Conformance will be provided upon request.*