



Trimethylamine

Description

Formula: $(\text{CH}_3)_3\text{N}$

Gas Data

Molecular Weight: 59.11
 Density: 2.5 kg/m³ @ 21.1°C, 101.325 kPa
 0.16 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.40 m³/kg @ 21.1°C, 101.325 kPa
 6.4 ft³/lb @ 70°F, 14.696 psia

Safety Information

LFL in Air: 2%
 UFL in Air: 11.6%
 Permissible Exposure Limit (TLV): 5 ppm

Shipping Information

CAS Registry Number: 75-50-3
 UN Number: UN 1083
 DOT Proper Shipping Name: Trimethylamine, Anhydrous
 DOT Classification: 2.1 (Flammable Gas)
 DOT Label: FLAMMABLE GAS
 TC Shipping Name: Trimethylamine, Anhydrous
 TC Classification: 2.1
 TC Label: FLAMMABLE GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	lb	kg
1F	705	13.3	92	207	94
2	705	13.3	92	89	40
3	705	13.3	92	32	15
LB	180	13.3	92	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.	Page No.
			US	Metric			
Trimethylamine 99.5%	G1594106	1F*	125 lb	56.70 kg	Single Stage Reg.	Series 3610A-705	316
	G1594140	2	15 lb	6.80 kg	LB Regulator	Series 3570-180	314
	G1594150	3	5 lb	2.27 kg	Manual Control Valve	61A-705	417
	G1594175	LB	0.375 lb	170 gm	Tee Purge	4754-705	423
					Personal Monitor	IQ250	398
					Detector Tube	8014-222S	393
					Cyl. Valve Wrench	TW-2**	430

A Certificate of Conformance will be provided on request.

*Equipped with a goose neck eductor tube.

**Except LB