

Chlorine Cl_2

General characteristics: A yellow-greenish, oxidizing, and liquefied gas with an unpleasant, irritating smell. Corrosive.

Health hazards: Highly toxic. Attacks the eyes and mucous membranes. Causes lung damage.

TLV-STEL: 1 ppm
TLV-TWA: 0.5 ppm
 (ACGIH 1996)

Flammable limits: Nonflammable

Molecular weight: 70.9

CGA valve outlet: 660/110

DOT class: 2.3 (Poison Gas)

DOT label: Poison Gas

Specific volume: 5.4 ft³/lb. at 70°F

Specific gravity:
(Air = 1): 2.473 at 70°F

Material recommendation: Highly corrosive in moist conditions. Dry gas: Copper, Stainless Steel, Monel. Moist gas: Tantalum.

CAS No. 7782-50-5
UN No. 1017

Product / Code	Purity	Cylinder Size	SAP	Volume Lbs.	Pressure @70°F PSIG	Equipment Recommendation Ordering Information on Reference Page
Chlorine Scientific 467910	99.999% Liquid phase	049	13434	125	85.3	
Chlorine Electronic 467900	99.99% Liquid phase	761 054 007 LBS	— 3062 3032 10976	2000 150 15 1	85.3 85.3 85.3 85.3	To maintain gas quality and safety at the point of use see toxic gas system page 139. Ultra high purity panels, see page 182. Single stage monel regulator, see page 165. Lecture bottle regulator, see page 161.
Chlorine C.P. 405200	99.5% Liquid phase	761 054 007 LBS	5879 5861 5816 5884	2000 150 15 1	85.3 85.3 85.3 85.3	Single stage corrosive gas regulator, see page 166. Lecture bottle regulator, see page 161. Lecture bottle control valve, see page 210.