



# CHLORINE (Cl<sub>2</sub>) CGA-660

A greenish-yellow, liquefied gas with a choking odor. May react violently with ammonia, hydrocarbons, and hydrogen.

**Toxicity:** Toxic. Extremely irritating and destructive to tissues; contact with the skin causes severe burns.

**TWA:** 0.5 ppm (ACGIH)

**Fire Potential:** Strong oxidizer

**Compatible Materials:** At normal temperatures, dry chlorine is non-corrosive. Moist chlorine is very corrosive and should be used with glass, Monel,

tantalum, or Hastelloy C.

**Molecular Weight:** 70.91

**Specific Volume at 70°F and 1 atm:** 5.39 ft<sup>3</sup>/lb

**DOT Hazard Class:** Poison Gas (2.3)

**DOT Label:** Poison Gas

**DOT ID No.:** UN 1017

**CAS No.:** 7782-50-5

**\*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.**

### Chlorine, Ultra High Purity Grade 3.0

**Minimum Purity 99.9%**

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
060	02150060S	40 lbs.	85 P.S.I.	Liquid phase
150	02150150S	150 lbs.	85 P.S.I.	

### Chlorine, High Purity Grade 2.5

**Minimum Purity 99.5%**

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
060	02150060S	40 lbs.	85 P.S.I.	Liquid phase
150	02150150S	150 lbs.	85 P.S.I.	

### CHLORINE REGULATOR-STAINLESS STEEL

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05382011C	Western	HSS1	0-25 Low Flow	Single Stage General Purpose Lab.
05382012C	Western	HSS2	0-50, 0-100, 0-250	Dual Stage High Purity Application



# ETHANE (C<sub>2</sub>H<sub>6</sub>) CGA-350

A Colorless, odorless, flammable liquefied gas.

**Toxicity:** Simple asphyxiant; contact with liquid can cause frostbite.

**Fire Potential:** Flammable

**Flammable Limits:** 3-12.4%

**Compatible Materials:** Non-corrosive; Most common structural materials can be used.

**Molecular Weight:** 30.07

**Specific Volume at 70°F and 1 atm:** 12.76 ft<sup>3</sup>/lb

**DOT Hazard Class:** Flammable Gas (2.1)

**DOT Label:** Flammable Gas

**DOT ID No.:** UN 1035

**CAS No.:** 74-84-0

\*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.

## ETHANE, C. P. Grade 2.0

Minimum Purity 99%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities
060	04111060S	13 Pounds	543 P.S.I.	Methane < .5
244	04111244S	32 Pounds	543 P.S.I.	Acetylene < 1.0

## ETHANE REGULATOR-DUAL STAGE REGULATOR

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05390148C	Western	LM-	0-15 Low Flow	General Purpose Lab Gases
05390148C	Western	LMSS	0-45,0-100, 0-150	High Purity Instrument Application