



# **HYDROGEN CHLORIDE (HCl) CGA-330**

**A toxic, colorless, nonflammable liquefied gas with a sharp, pungent odor. May react with organic materials. Forms corrosive hydrochloric acid in the presence of moisture.**

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

**TWA:** 5 ppm ceiling limit(OSHA)

**Compatible materials:** Under normal conditions most materials of construction are compatible with anhydrous HCl. In the presence of moisture, however, most metals will corrode. Teflon, Kel-F, and Hastelloy will resist corrosion. Avoid the use of copper, brass, and galvanized steel.

**Molecular Weight:** 36.46

**Specific Volume at 70°F and 1 atm:** 10.55 ft<sup>3</sup>/lb

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

DOT Label: Poison Gas and Corrosive

DOT ID No.: UN 1050

**CAS No.:** 7647-01-0

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

## **HYDROGEN CHLORIDE, Technical Grade 2.0**

**Minimum Purity 99 %**

<b>Order Size</b>	<b>Product Code</b>	<b>Approximate Capacity</b>	<b>Approximate Pressure</b>	<b>Typical Impurities (%)</b>
060	02167060S	20 Pounds	613 P.S.I.	(Liquid phase)
244	02167244S	50 Pounds	613 P.S.I.	

## **REGULATORS**

<b>Product Code</b>	<b>Brand</b>	<b>Style</b>	<b>Delivery Pressure P.S.I.</b>	<b>Description</b>
05390017C	Western	SG & SH	0-15, 0-45	Single Stage Brass
05382011C	Western	HSS1	0 - 25	Single Stage Stainless