

Ethyl Chloride (C₂H₅Cl) A colorless, flammable, liquefied gas with a pungent, ethereal odor.

| Product Specifications | Minimum Purity |
|------------------------|----------------|
| Chemically Pure (CP) | 99.9% |

| PRODUCT | Ordering Information | | | | | Equipment Recommendations | | |
|-----------------------------|---|--------------|-----------------------------|----------------|----------------------------------|---|--------------------------------|-------------|
| | Cylinder Size | Contents lbs | Standard Valve Outlet (CGA) | Product Number | Cylinder Pressure at 70°F (psig) | Description Product Number | Delivery Pressure Range (psig) | Page Number |
| Chemically Pure (CP) | TON | 1300 | 300 | EC CPTON | 5.6 | Manual Control Valve Y30-111300 | N/A | E112 |
| | 1/2 TON | 800 | 300 | EC CPHTN | 5.6 | | | |
| | 1/4 TON | 390 | 300 | EC CP400 | 5.6 | | | |
| | 350 | 195 | 300 | EC CP350 | 5.6 | | | |
| | Individual or Batch Certificate of Analysis available upon request. | | | | | | | |

| Technical Data & Shipping Information | |
|---------------------------------------|---------------------------|
| Molecular Weight | 64.514 |
| Specific Volume | 6.00 cf/lb @70° F & 1 ATM |
| Flammability Limits in Air | 3.8 - 15.4% in Air |
| U.S. DOT Name | Ethyl Chloride |
| ID Number | UN 1037 |
| U.S. DOT Hazard Class | 2.1 |
| U.S. DOT Label | Flammable Gas |
| CAS Registry | 75-00-3 |

Ethylene (C₂H₄) A flammable, colorless liquefied gas.

| Product Specifications | Minimum Purity | O ₂ | H ₂ O | Other Hydrocarbons | CO | CO ₂ | N ₂ |
|-------------------------|----------------|----------------|------------------|--------------------|-----|-----------------|----------------|
| Research Plus | 99.9995% | ≤ 1 | ≤ 1 | ≤ 4 | ≤ 1 | ≤ 1 | ≤ 1 |
| Research | 99.995% | ≤ 2 | ≤ 5 | ≤ 40 | ≤ 2 | ≤ 5 | ≤ 5 |
| Ultra High Purity (UHP) | 99.9% | ≤ 10 | ≤ 5 | ≤ 800 | ≤ 5 | ≤ 10 | ≤ 50 |
| Chemically Pure (CP) | 99.5% | | | ≤ 1000 | | | |
| Plant Growth | 98.5% | | | ≤ 1000 | | | |


Concentrations given are ppm by volume unless otherwise specified.

| PRODUCT | Ordering Information | | | | | Equipment Recommendations | | |
|----------------------|-----------------------------------|--------------|-----------------------------|----------------|----------------------------------|--|--|-------------|
| | Cylinder Size | Contents lbs | Standard Valve Outlet (CGA) | Product Number | Cylinder Pressure at 70°F (psig) | Description Product Number | Delivery Pressure Range (psig) | Page Number |
| Research Plus | 300 | 37 | 350 | EY RP300 | 1200 | Two-Stage Regulator Y12-215 * 350 | A = 0-25 B = 0-50 D = 0-100 F = 0-250 | E12 |
| | 200 | 30 | 350 | EY RP200 | 1200 | | | |
| | 80 | 11 | 350 | EY RP80 | 1200 | | | |
| | 35 | 4 | 350 | EY RP35 | 1200 | | | |
| | Certificate of Analysis included. | | | | | | | |
| Research | 300 | 37 | 350 | EY R300 | 1200 | Single-Stage Regulator Y11-215 * 350 | | E11 |
| | 200 | 30 | 350 | EY R200 | 1200 | | | |
| | 80 | 11 | 350 | EY R80 | 1200 | | | |
| | 35 | 4 | 350 | EY R35 | 1200 | | | |
| | Certificate of Analysis included. | | | | | | | |

* Insert Delivery Pressure Range Code

Ethylene (C₂H₄) Cont.

A flammable, colorless liquefied gas.

| PRODUCT | Ordering Information | | | | | Equipment Recommendations | | |
|---|---|--------------|-----------------------------|----------------|----------------------------------|---|--|-------------|
| | Cylinder Size | Contents lbs | Standard Valve Outlet (CGA) | Product Number | Cylinder Pressure at 70°F (psig) | Description Product Number | Delivery Pressure Range (psig) | Page Number |
| Ultra High Purity (UHP) | 300 | 37 | 350 | EY UHP300 | 1200 | Two-Stage Regulator Y12-215 * 350 Single-Stage Regulator Y11-215 * 350 | A = 0-25 B = 0-50 D = 0-100 F = 0-250 | E9 |
| | 200 | 30 | 350 | EY UHP200 | 1200 | | | |
| | 80 | 11 | 350 | EY UHP80 | 1200 | | | |
| | 35 | 4 | 350 | EY UHP35 | 1200 | | | |
| | Individual or Batch Certificate of Analysis available upon request. | | | | | | | |
| Chemically Pure (CP) | 300 | 37 | 350 | EY CP300 | 1200 | | | |
| | 200 | 30 | 350 | EY CP200 | 1200 | | | |
| | 80 | 11 | 350 | EY CP80 | 1200 | | | |
| | 35 | 4 | 350 | EY CP35 | 1200 | | | |
| | Individual or Batch Certificate of Analysis available upon request. | | | | | | | |
| Plant Growth Regulator (PGR)  | 300 | 37 | 350 | EY PGR300 | 1200 | | | |
| | 200 | 30 | 350 | EY PGR200 | 1200 | | | |
| | 80 | 11 | 350 | EY PGR80 | 1200 | | | |
| | 35 | 4 | 350 | EY PGR35 | 1200 | | | |
| | Individual or Batch Certificate of Analysis available upon request. | | | | | | | |

* Insert Delivery Pressure Range Code

| Technical Data & Shipping Information | | Additional Information: PGR Grade is FIFRA registered and labeled as a Plant Growth Regulator. Recommended for produce ripening and degreening. Please inquire about customer-owned fill guidelines. |
|---------------------------------------|----------------------------|--|
| Molecular Weight | 28.0532 | |
| Specific Volume | 13.79 cf/lb @70° F & 1 ATM | |
| Flammability Limits in Air | 2.7 - 36% in Air | |
| U.S. DOT Name | Ethylene, Compressed | |
| ID Number | UN 1962 | |
| U.S. DOT Hazard Class | 2.1 | |
| U.S. DOT Label | Flammable Gas | |
| CAS Registry | 74-85-1 | |

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.