



ETHANE C_2H_6

Colorless, odorless, flammable liquefied gas.

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Ethane
I.D. Number: UN1035
Hazard Class: 2.1
Shipping Labels: Flammable gas

TECHNICAL INFORMATION

Molecular Weight: 30.07
Specific Volume: 12.8 ft³/lb.
CAS Registry: 74-84-0
Safety Data Sheet Reference: Ethane

PRODUCT GRADE SPECIFICATIONS

| Grade Name | Grade | Minimum Purity | Grade Code | Catalog Number ¹ | Maximum Impurity Specifications in PPM by Volume (unless otherwise specified) ² |
|--------------------|-------|----------------|------------|-----------------------------|--|
| | | | | | MAXIMUM TOTAL IMPURITIES ³ |
| Electronic Process | 5.5 | 99.9995% | EP | SG ETEP- | < 5 |
| Research | 5.0 | 99.999% | RES | SG ETRES- | < 10 |
| Ultra High Purity | 4.0 | 99.99% | UHP | SG ETUHP- | <100 |
| Polymer Plus | 3.0 | 99.9% | PP | SG ETPP- | < 0.05% |
| Instrument | 2.5 | 99.5% | INS | SG ETINS- | < 0.5% |
| Chemically Pure | 2.0 | 99% | CP | SG ETCP- | < 1% |

Notes:

¹ Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".

² Liquid phase analysis. Specifications are typical results and are subject to change without notice.

³ Product sold on the basis of total impurities. Individual impurities may vary slightly.

CYLINDER INFORMATION

| Cylinder Size | Cylinder Size Code | Volume ⁴ Lbs. | Pressure (PSIG) ⁵ @ 70° F. | Valve Connection CGA | Gross Weight (lbs.) |
|---|--------------------|--------------------------|---------------------------------------|----------------------|---------------------|
| High Pressure Carbon Steel Cylinders | | | | | |
| 300 | T | 37 | 543 | 350 | 206 |
| 200 | K | 32 | 543 | 350 | 183 |
| 80 | Q | 12 | 543 | 350 | 83 |
| 35 | G | 5 | 543 | 350 | 38 |
| Disposable Non-Refillable Cylinders | | | | | |
| Lecture Bottle | LB* | 227 grams | 543 | *170 or 350 | 4 |

Notes:

⁴ This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on the cylinder manufacturer's specifications.

⁵ Ethane is shipped as a liquefied gas at its vapor pressure of 543 psig @ 70 degrees Fahrenheit. Ethane may also be offered as a cryogenic refrigerant liquid at -128 degrees Fahrenheit. Please ask your WestAir representative for more information.

Contact your WestAir representative about equipment recommendations for this product.