

# R170 Ethane (C<sub>2</sub>H<sub>6</sub>)

Pure Ethane is a colorless, odorless, flammable, non-toxic gas at room temperature and atmospheric pressure.

Purity Specifications	Grade 2.5 99.5%
Other Total Hydrocarbons	< 4000 ppm
Nitrogen	< 100 ppm
Oxygen	< 25 ppm
CO / CO <sub>2</sub>	< 30 ppm
Moisture	< 10 ppm
Total Impurities	< 5000 ppm

Moisture level guaranteed only when AGT prepares the cylinders.  
All concentrations are on a mol/mol basis unless otherwise stated.  
Product sold on the basis of total impurities. Individual impurities may vary slightly.

Cylinder Size	Fill Weight (lbs)
Tube Trailer	Up to 5,500
49	40
44	32
16	12
7	5
3	1.5

## Technical Data:

Boiling Point @ 1 atm . . . . . -128°F  
Critical Temperature . . . . . 90°F  
Vapor Pressure @ 70°F . . . . . 546 psig  
Flammability Limits . . . . . 3.0 - 12.5% in Air  
Toxicity . . . . . Simple Asphyxiant  
Compatibility . . . . . Non-corrosive  
Valve Outlet . . . . . CGA 350

## Shipping Information:

DOT Name . . . . . Ethane  
Hazard Class . . . . . 2.1  
DOT / UN Number . . . . . UN 1035  
DOT Label . . . . . Flammable Gas  
CAS Number . . . . . 78-84-0