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Ethylene

Ethylene is the chemical compound with the formula C_2H_4 . It is the simplest alkenes. Because it contains a carbon-carbon double bond, ethylene is called an unsaturated hydrocarbon or an olefin. It is extremely important in industry and also has a role in biology as a hormone. Ethylene is the most produced organic compound in the world

Chemical Name: Ethylene

Molecular Formula: C_2H_4

Molecular weight: 28.05

Typical Properties:

Appearance	Colorless gas
Explosive Limits(V/V)	3.05-28.6%
Boiling Point	-103.7 C
Melting Point	-169.2 C
Specific Gravity, 15 C Gas	0.001178
S. Ignition Point	425 C
Flash Point	-136.1 C

Specifications:

Grade	Polymer Grade: Premium	Polymer Grade: First
Methane and ethane, %(v/v)	≤ 0.05	≤ 0.1
C_3 and above, ml/m ³	≤ 10	≤ 50
Water, ml/m ³	≤ 1	≤ 20
Oxygen, ml/m ³	≤ 1	≤ 5
Carbon monoxide, ml/m ³	≤ 1	≤ 5
Ethylene, %(v/v)	≥ 99.95	≥ 99.9
Appearance	Colorless gas	Colorless gas
Carbon dioxide, ml/m ³	≤ 5	≤ 20
Acetylene, ml/m ³	≤ 5	≤ 10
Sulphur, mg/kg	≤ 1	≤ 2
Methanol, mg/kg	≤ 5	Test if necessary
Hydrogen, ml/m ³	≤ 5	-

Applications: The product with a high purity and little impurity can be used to produce polyethylene, PVA, PVC, PS, EG and synthetic aldehyde. It is a high-quality basic raw material for organic synthesis.

Packing: In bulk. (Isotank or Drum)

Transportation: Be pumped out of the plant via a pipe network or by means of a special vessel / tank truck.

Storage: Spherical tank, cryogenic normal pressure storage tank.