



NAME: Ethylene

Product Description:
Ethylene (IUPAC name: ethene) is a hydrocarbon which has the formula C_2H_4 or $H_2C=CH_2$. It is a colorless flammable gas with a faint "sweet and musky" odor when pure. It is the simplest alkene (a hydrocarbon with carbon-carbon double bonds), and the second simplest unsaturated hydrocarbon after acetylene (C_2H_2).

Ethylene is widely used in chemical industry, and its worldwide production (over 109 million tons in 2006) exceeds that of any other organic compound. Ethylene is also an important natural plant hormone, used in agriculture to force the ripening of fruits. Ethylene's hydrate is ethyl alcohol.

Typical data: (Table)

Property	Units	Test Method Value
Ethylene	Vol%	Lindeinstr.553 99.95 min
Hydrogen	Vol.ppm	ASTM D-1946 5 max
Methane Ethane	Vol.ppm	Lindeinstr.553 500 max
Acetylene	Vol.ppm	Lindeinstr.553 1 max
Propylene+Higher	Vol.ppm	Lindeinstr.553 10 max
Carbon Monoxide	Vol.ppm	ISO 6381 0.2 max
Carbon Di Oxide	Vol.ppm	ISO 6381 1 max
Oxygen	Vol.ppm	Oxygen Analyzer (Teledine) 1 max
Water	Vol.ppm	H ₂ O analyser (show dew point meter) 1 max
Sulphur as H ₂ S	Vol.ppm	ASTM E-840 1 max
Methanol	Vol.ppm	Lindeinstr.535 1 max
Oxygenated Organics	Vol.ppm	Lindeinstr.535 1 max
Carbonyl Sulphide Property	Vol.ppm Units	ASTM D-6228 0.1 max

Shipping: Bulk carrier