

Product Name: Ethylene

Product Summary

Ethylene is a typical basic petrochemical produced via naphtha cracking, and is a basic raw material for ethylene products such as polyethylene and ethylene oxide.

Characteristics

- Boiling point: -103.7°C, Melting point: -169.2°C, Flash point: -136°C, Ignition point: 450°C, Specific gravity: 0.975(air=1)
 - Ethylene (IUPAC name: ethene) is an organic compound containing double bonds.
 - It is the simplest alkene hydrocarbon.
 - Polymerization under high pressure using oxygen as a catalyst results in low-density polyethylene.
 - After polymerization with a metallic solid catalyst under low or medium pressure, ethylene turns into high-density polyethylene.
 - It is highly reactive and is used as a raw material for various compounds.
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Properties

Colorless gas (liquefied gas) with a slight, characteristic odor

Storage Conditions, etc.

Keep away from heat and other ignition sources and store in a well-ventilated dry area.

Number Specified by the Act on the Regulation of Manufacture and Evaluation of

Chemical Substances

(2)-12

CAS Registry Number

Relevant Laws and Regulations

The Industrial Safety and Health Act, the High Pressure Gas Safety Act, the Civil Aeronautics Act, the Ship Safety Act, the Road Act

Inquiries

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