

Technical Data Sheet

1,2-Propadiene (Syn: Allene)

CAS # 463-49-0

Product # 16.00

DESCRIPTION:

Allene is a clear colorless gas with a characteristic diolefinic odor. It is shipped as a liquified gas under its own vapor pressure of 102 psig at 21.1°C.

USES:

Organic synthesis.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:

Purity	95% Min.
Vapor Pressure @ 21.1°C	873.5 kPa; 116.7 psia ¹
Boiling Point @ 101.325 kPa	-34.5°C ¹
Viscosity, Gas @ 101.325 kPa @ 0°C	0.007 6 cp ¹
Odor	Characteristic diolefinic odor.

TYPICAL IMPURITIES:

1-Propyne <5.0%

Allene contains 0.001% Hydroquinone and 0.01% BHT as stabilizers.

TOXICITY:

The toxicity of allene has not been fully investigated. It may have slight narcotic properties and act as a simple asphyxiant. Allene should always be handled with adequate ventilation.

SHIPPING CLASS:

UN1954 Flammable Gas

MATERIAL SAFETY DATA SHEET (MSDS):

An MSDS is available upon request

¹ Matheson Gas Data Book, 1980

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