

PROPADIENE (C₃H₄)

Synonyms : Allene; Dimethylenemethane; Propa-1,2-diene; 1,2-Propadiene, Propadiene-1,2



Gas Description

Propadiene is a colourless odourless, flammable and toxic gas that has a narcotic quality. Propyne has a gas density at STP 1.70 kg/m³.

Typical applications :

Organic synthesis

Transport Regulations :

UN Number : 2200

Shipping Name :PROPADIENE, STABILIZED

Class : 2.1 Flammable gases

CAS Number : 463-49-0

Hazchem : 2WE

[Click here](#) for MSDS

[Click here](#) for more information

Physical Properties

Chemical symbol : C₃H₄

Molecular weight : 40.065

Specific gravity (Air=1) : 1.14

Specific volume (m³/kg) : NDA

Critical temperature : 120.7°C

Boiling point : -34.4°C

Melting Point : 136.3°C

Critical pressure (bar) : 52.49

Major hazards : Fire

Toxicity : None Established

Flammability Range : 1.5 - 11.5%

Odour : None

[Click here](#) for more information

Application

INDUSTRY

None

APPLICATION

No specific or significant industrial application for propadiene 1,2 has been found.

[Click here](#) for more information

Propadiene

Gas

Typical impurities
(ppm molar)

Cylinder information

Cylinder Size

Valve Connection

Pressure (kPa)

Contents (m³)

Available Upon Request
Call For Supply Information

Recommended Equipment

For further information [Contact](#) the specialty gases representative in your region.