



DATA SHEET

Allyl Alcohol

Synonym : 2-Propen-1-ol
Formula : C₃H₆O

CAS no. : 0107-18-6
EINECS no. : 2034707

Description:

Allyl alcohol is a colourless liquid having a strong irritating odour and is lachrymatory. It completely mixes with water. Allyl alcohol is an unsaturated alcohol of the simplest structure, but chemically it is relatively stable and does not cause radical reaction by light, air, acid, alkali, etc. As it is obvious from its structure, allyl alcohol has the properties of both monohydric alcohol and olefin. Consequently it has possibilities of various reactions such as addition reaction to double bond, esterification or etherification of hydroxyl radical. Thus it has a wide range of applications.

Specification:

Appearance	: colourless liquid
Purity	: min. 99.5 % by wt
Water	: max. 0.15 % by wt
Acidity (as acid)	: max. 0.02 % by wt
Colour (APHA)	: max. 15
N-Propanol	: max. 0.1 %

Physical properties:

Specific Gravity (20/20 °C)	: 0.854
Boiling point (at 760 mmHg)	: 96.9 °C
Melting point	: -128 °C

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Vapor density (air =1)	: 2.0
Solubility in water	: complete
Vapor pressure (at 20 °C)	: 17.3 mmHg
Viscosity (at 20 °C)	: 1.3 cp
Flash point, open cup	: 29 to 32 °C
Flash point, closed cup	: 21 to 22 °C
Ignition point	: 443 °C
Explosive range, lower limit	: 2.5 % by vol.
Explosive range, upper limit	: 18.0 % by vol.
Packing	: 170 kg nett UN approved drums