



## TECHNICAL DATA SHEET

# DIETHYL ETHER AR

### Ethoxyethane

Article No.	204252500	Molecular Formula	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> O
H.S. Code	2909.1100	Molecular Weight	74.12
CAS No.	60-29-7		

## Physical Properties


Physical state at 20 °C	Liquid
Colour	Clear Colorless
Odour	Sweet Etheral odour
Melting point [°C]	-116 °C
Auto-ignition temperature [°C]	160°C
Flammability (solid, gas)	Flammable
Flash point [°C]	-40 °C
Boiling point [°C]	34.6 °C
Evaporation rate	37.5
Vapour pressure [20°C]	563 hPa at 20 °C
Vapour density	2.6
Density [g/cm <sup>3</sup> ]	0.71
Solubility in water [% weight]	65 g/l at 20 °C
Explosion limits - upper [%]	48%
Explosion limits -lower [%]	1.80%

## Specifications

Assay (by GC) Min 99,5 %  
Calcium (Ca) Max 0.0002 %  
Carbonyl compounds Max 0.001 %  
Colour (APHA) Max 5  
Copper (Cu) Max 0.00005 %  
Ethanol Max 0.01 %  
Ether peroxide Max 0.001 %  
Iron (Fe) Max 0.0001 %  
Lead (Pb) Max 0.000005 %  
Magnesium (Mg) Max 0.00005 %  
Methanol Max 0.01 %

Potassium (K) Max 0.0005 %  
Residue after evaporation Max 0.01 %  
Sodium (Na) Max 0.0005 %  
Substances darkened by H<sub>2</sub>SO<sub>4</sub>  
(APHA) Max 10

## Safety Information and Hazard Symbols

	
Symbol	GHS02, GHS07
Signal Word	Danger
UN No	1155
IMCO Class No.	3
Hazardous Statement	H224-H302-H336-EUH019-EUH066
Precaution Statement	P210-P271-P280a-P304+P340-P370+P378-P403+P233-P403+P235-P501
Packing Group	I