



## TECHNICAL DATA SHEET

# ACETONITRILE AR

### Methyl Cyanide

Article No.	201202500	Molecular Formula	CH <sub>3</sub> CN
H.S. Code	2926.9095	Molecular Weight	41.05
CAS No.	75-05-8		

## Physical Properties


Physical state at 20 °C	Liquid
Colour	Clear Colorless
Odour	Ether odor
pH value	7
Melting point [°C]	-46°C
Auto-ignition temperature [°C]	524°C
Flammability (solid, gas)	Flammable
Flash point [°C]	2°C
Boiling point [°C]	81.6°C
Evaporation rate	5.79
Vapour pressure [20°C]	9.7kPa
Vapour pressure mm/Hg	73
Vapour density	1.4
Density [g/cm <sup>3</sup> ]	0.79
Relative density, gas (air=1)	1.4
Solubility in water [% weight]	Complete

## Specifications

Assay (GLC) Min 99.8 %  
Acidity  $\mu\text{eq/g}$  Max 8  
Alcalinity  $\mu\text{eq/g}$  Max 0.6  
Density at 20° C 0.781 ÷ 0.785  
Refractive index at 20°C 1.3410 ÷ 1.3450  
Colour (APHA) Max 10  
Water (K.F.) Max 0.05 %  
Residue on evaporation Max 0.001 %  
Calcium (Ca) Max 0.00002 %

Copper (Cu) Max 0.000005 %  
Iron (Fe) Max 0.00002 %  
Potassium (K) Max 0.000005 %  
Magnesium (Mg) Max 0.000005 %  
Sodium (Na) Max 0.0001 %  
Lead (Pb) Max 0.000005 %  
Zinc (Zn) Max 0.00005 %

## Safety Information and Hazard Symbols

	
Symbol	GHS02, GHS07
Signal Word	Danger
UN No	1648
IMCO Class No.	3
Hazardous Statement	H225-H302-H312-H319-H332
Precaution Statement	P210-P280-P302 + P352 + P304+P340-P305+P351+P338-P370+P378-P403+ P235-P501
Packing Group	II