



## TECHNICAL DATA SHEET

# TOLUENE AR

## Methylbenzene

Article No.	220092500	Molecular Formula	C <sub>7</sub> H <sub>8</sub>
H.S. Code	2902.3000	Molecular Weight	92.14
CAS No.	108-88-3		

### Physical Properties

Physical state at 20 °C	Liquid
Colour	Clear Colorless
Odour	Aromatic benzene-like
Melting point [°C]	-93 °C
Auto-ignition temperature [°C]	535 °C
Flammability (solid, gas)	Flammable
Flash point [°C]	4°C
Boiling point [°C]	110 - 111 °C
Initial boiling point [°C]	110 °C
Final boiling point [°C]	111 °C
Evaporation rate	2.24
Vapour pressure [20°C]	22 @ 2°C
Vapour pressure mm/Hg	22 at 20°C
Vapour density	3.14
Density [g/cm <sup>3</sup> ]	0.86
Solubility in water [% weight]	0.05 gm/100gm water at 20°C
Explosion limits - upper [%]	7%
Explosion limits -lower [%]	1.20%

### Specifications

Assay (by GC) % Min 99.8  
Color (APHA) Max 10  
Water (by K.F.) % Max 0.03  
Residue after evaporation ppm Max 10  
Acidity/alkalinity meq/g Max 0.0001

Benzene % Max 0.05  
Total sulfur ppm Max 10  
Copper (Cu) ppm Max 0.02  
Iron (Fe) ppm Max 0.1  
Lead (Pb) ppm Max 0.02

## Safety Information and Hazard Symbols



Symbol	GHS02, GHS07, GHS08
Signal Word	Danger
UN No	1294
IMCO Class No.	3
Hazardous Statement	H225-H302-H333-H315-H361-H336-H373-H304
Precaution Statement	P201-P210-P280-P302+P352-P304+P340-P380+P313-P370+P378-P501
Packing Group	II