



## TECHNICAL DATA SHEET

# ETHYLENE GLYCOL FOR SYNTHESIS

### Ethylene glycol

Article No.	205111000	Molecular Formula	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>
H.S. Code	2905.3100	Molecular Weight	62.07
CAS No.	107-21-1		

## Physical Properties

Physical state at 20 °C	Liquid
Colour	Clear syrupy
Odour	Odorless
Melting point [°C]	-13 °C
Auto-ignition temperature [°C]	398°C
Flash point [°C]	111 °C
Boiling point [°C]	196 - 198 °C
Initial boiling point [°C]	196°C
Final boiling point [°C]	198 °C
Evaporation rate	1
Vapour pressure [20°C]	0.11 hPa at 20 °C
Vapour density	2.14
Density [g/cm <sup>3</sup> ]	1.113 g/mL at 25 °C
Solubility in water [% weight]	completely miscible
Partition coefficient Log Pow octanol / water at 20°C	-1.36
Explosion limits - upper [%]	15.30%
Explosion limits -lower [%]	3.20%

## Specifications

Assay % Min 99  
Wt. per ml at 20 °C 1.112 - 1.115 g  
Chloride (Cl) % Max 0.0002  
Iron (Fe) % Max 0.0002  
Water % Max 0.3

## Safety Information and Hazard Symbols



Symbol	GHS07
Signal Word	Warning
Hazardous Statement	H302