

TIQ-F-QC-003
 Rev.00

Technical Data Sheet

DICHLOROMETHANE 99,5 % AR

Methylene Chloride, Methane dichloride, Methylene bichloride, Methylene dichloride, DCM



Product Code	B-3025	Grade	Analytical Reagent
Purity	99,5%	CAS No	75-09-2
Molecular Formula	CH ₂ Cl ₂	Molecular Weight	84.93 g/mol
H.S.Code	2903.1200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colourless
Odour	Ether-like	Melting Point/ Freezing point (°C)	97 °C
Auto ignition temperature (°C)	605 °C at 1.013 hPa	Solubility in water (% weight)	13,2 g/l at 25 °C
Boiling point (°C)	39,8 - 40 °C	Vapour pressure (20 °C)	584 hPa at 20 °C
Evaporation rate	0.71	Density (g/cm ³)	1.325
Partition coefficient Low Pow octanol / wter at 20 °C	1.25	Vapour density	2,93
Explosion limits – upper (%)	22%	Explosion limits – lower (%)	13%

Packaging

500 ml, 2500 ml, 4000 ml

Specification

Appearance	Clear colorless liquid
Assay (GC)	min 99.5 %
Wt. Per ml at 20 °C	1.323 – 1.325 g/cm ³
Colour	max 10 Hazen
Refractive Index (n _D ²⁰)	1.424 – 1.425
Water (H ₂ O)	max 0.1 %
Non-volatile matter	max 0.001 %
Acidity (as HCl)	max 0.001 %
Free chlorine (Cl)	max 0.0001 %
Formaldehyde (HCHO)	max 0.0001 %
Copper (Cu)	max 0.00001 %

Iron (Fe) max 0.0001 %
Iron (Fe) max 0.0001 %

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

UN No.: 1593

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H315-H319-H336-H351

Precaution Statement: P201-P202-P261-P302 + P352-P305 + P351 + P338-P308+P313