

Technical Data Sheet



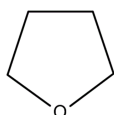
AMT108101 Tetrahydrofuran for liquid chromatography TATchrosolve®

General product Information:

Synonyms THF, Tetramethylene oxide, Oxolane, Butylene oxide
Overview With their high degree of UV transmittance, low particle count, low acidity and alkalinity and low evaporation residue level, TATchrosolv® solvents are ideal for reproducible separations. Since separations are normally carried out under gradient conditions in analytical HPLC, we offer solvents in "gradient grade" as well as "isocratic grade". This enables to minimize the gradient effect of the solvent involved.

Hill Formula C₄H₈O
Molar Mass 72.11 g/mol
CAS Number 109-99-9

Grade
Chemical Formula
Structure formula
Image



Chemical/Physical Data:

Boiling point 65 - 66 °C (1013 hPa)
Density 0.89 g/cm³ (20 °C)
Explosion limit 1.5 - 12.4 %(V)
Flash point -20 °C
Ignition temperature 215 °C
Melting Point -108.5 °C
pH value 7 - 8 (200 g/l, H₂O, 20 °C)
Vapor pressure 173 hPa (20 °C)
Evaporation Number 2.3
Solubility (20 °C) soluble

Toxicological Data:

LD 50 oral LD50 Oral rat 1650 mg/Kg
LD 50 dermal

Packaging Information:

Order Number	Package	Packaging
AMT108101.1000	1 L	Glass Bottle
AMT108101.2500	2.5 L	Glass Bottle