Triethanolamine

Product Number  T 1377
Store at Room Temperature

Product Description
Molecular Formula: C₆H₁₅NO₃
Molecular Weight: 149.2
CAS Number: 102-71-6
Concentration (neat): 7.53 M
Density: 1.1242 g/ml
pKₐ = 7.8 (25 °C)
dpKₐ/dt = -0.020
pH: 10.5 (0.1 N aqueous solution)¹
Synonym: 2,2',2''-Nitrilotriethanol

Triethanolamine is useful as a buffer in the pH range of 7.3-8.3 for enzyme studies. Preparation of the buffer can be made with triethanolamine hydrochloride (Product No. T 1502).

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
Triethanolamine is miscible in water (1 ml/ml), yielding a clear, colorless solution. It is also miscible in methanol and acetone.¹

Storage/Stability
Triethanolamine may turn brown if not protected from air and light. The product is very hygroscopic and should be protected from moisture.¹

References
1. The Merck Index, 12th Ed., Entry # 9798.