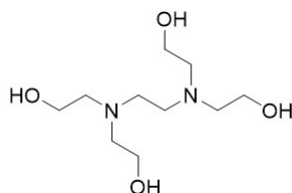


Tetrahydroxyethylethylenediamine (THEEDA)

2,2',2'',2'''-(1,2-Ethanediyldinitrilo)tetraethanol



Tetrahydroxyethylethylenediamine (THEEDA; CAS 140-07-8) is a tetrol structured ethanolamine having four reactive primary ethoxyl groups. It is a highly viscous, slightly colored liquid with a slight ammoniacal odor.

CAS number
140-07-8

EINECS/ELINCS No.
205-396-0

Molecular weight
236.31

Specifications

Appearance (MOA 200)	Clear viscous liquid
Tertiary Amine Number (MOA 237)	442-485 mg KOH/g
Color (MOA 201)	≤ 7 Gardner
Total Amine Number (MOA 234)	465-485 mg KOH/g
Percentage of Tertiary amines (calculated)	≥95 %

Characteristics

Form	Viscous liquid
Color	Light yellow
Equivalent weight	59.9
Functionality (average)	3.9
Hydroxyl value	930-950 mg KOH/g
Odor	Ammonical
Water solubility	Completely
Solubility in other solvents	Ethanol
Boiling point/boiling range, 1013 hPa	280 °C
Flash point, 1013 hPa	110 °C
Vapor pressure, 25°C	< 0,01 hPa
Relative density, 25°C	1.13
Partition coefficient, N-octanol/water, 25°C, log Pow	-4.7
Dynamic viscosity, 40°C	~1000 mPa.s

Notes:

Methods of Analysis (MOA) are available upon request. In case of dispute, the listed Method of Analysis will be used as reference methods.

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The Nouryon logo features a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font. The 'N' is significantly larger and more prominent than the rest of the text.