

Technical Data Sheet

TETRAHYDROXYETHYLETHYLENEDIAMINE-85 (THEEDA-85)

General

MW: 236.31 g mol⁻¹
CAS No.: 140-07-8
EINECS No.: 205-396-0
IUPAC name: 2,2',2'',2'''-(1,2-Ethanediyldinitrilo)tetraethanol

85% solution of THEEDA for lower viscosity.

Sales Specification

Characteristic	Unit	Specification	Methods of Analysis
Appearance	-	clear, viscous liquid	200
Tertiary Amine Number	mgKOH/g	442-485 (as water free)	237
Total Amine Number	mgKOH/g	465-485 (as water free)	234
Percentage of Tertiary amines	%	min 95 (as water free)	Calculated
Color	G	max 7	201
Water	%	14-16	305

Methods of Analysis are available upon request.

In case of dispute, the listed Method of Analysis will be used as reference methods.

Physical and Chemical Properties

Property	Value	Property	Value
Form	viscous liquid		
Colour	light yellow		
Odour	ammoniacal	Boiling point/boiling range	280 °C at 1 013 hPa
Flammability (liquids)	Not classified as a flammability hazard	Flash point	110 °C at 1 013 hPa
Explosive properties	Not explosive	Vapour pressure	< 0,01 hPa Method: Calculation method
Oxidizing properties	The substance or mixture is not classified as oxidizing.		
Water solubility	soluble.	Relative density	1,13 at 25 °C
Solubility in other solvents	Soluble in ethanol.	Partition coefficient: n-octanol/water	log Pow: -4,7 at 25 °C
		Viscosity, dynamic	Ca. 200 mPa·s at 40°C

This information is issued by Nouryon to Customer. The information is, to Nouryon's actual knowledge and understanding of the subject matter in this document, considered accurate and reliable as of the date appearing above and is presented in good faith. Because production process as well as use conditions and applicable laws may differ from one location to another and may change over time, Customer is responsible for determining whether the information in this document is appropriate for Customer use and at the time in question. Since Nouryon has no control over how this information may be ultimately used and for other reasons stated above, all liability is expressly disclaimed and Nouryon assumes no obligation or liability therefore. No warranty, express or implied, is given, including without limitation warranties of fitness for particular purpose or non-infringement, each of which is specifically disclaimed.