

E0750TH Gold Line**Typical analysis**

Assay	99%
Acidity (CH ₃ COOH)	0.1 ml N%
Water (H ₂ O)	0.1%

Packaging

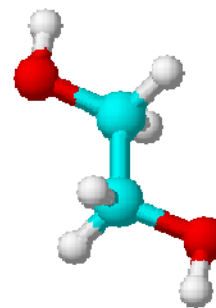
500ml amber glass bottle
2.5l amber glass bottle
25l metal drum

E0751TH Platinum Line**Warranty certificate**

Assay (GC)	min 99.5%
Ash content	<10%
Boiling range	195 - 197°C
Chloride (Cl)	0.0002%
Iron (Fe)	0.0002%
Water (H ₂ O) [Karl Fisher]	0.05%

Packaging

500ml amber glass bottle
2.5l amber glass bottle
25l metal drum

**Physical properties, composition and data**

Chemical formula	C ₂ H ₆ O ₂ or HOCH ₂ CH ₂ OH
Chemical group	Polyols
Synonym	1,2-Ethanediol; Ethylene alcohol; Ethylene glycol; Glycol
Atomic weight	62.07
Weight per litre	1.11kg
Appearance	Clear, colourless, syrupy liquid
Miscibility	Soluble in water, lower aliphatic alcohols, glycerol, acetic acid, acetone, aldehydes and pyridine
Melting point	- 13.5°C
Boiling point	197.5°C
Flash point	115°C
Auto ignition temperature	410°C
Density (g/ml)	1.1274
Hazardous material	Toxic and harmful
pH (aqueous solution)	6.0 - 8.0

Laboratory preparation, applications and practices

Laboratory preparation	Air oxidation of ethylene followed by hydration of the ethylene oxide formed
Usage	Antifreeze in cooling and heating systems
Filter paper	Filtech no: 0222, 0225, 1839

Storage and handling information

Storage	Store in a fireproof place
Risk phrases	22
Disposal methods	14

Transport regulations

Tariff number	2905.31.00
Hazardous class	6.1
Packing group	III
UN number	2369
ERG number	127

