

# SYNTRON

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## Technical Data Sheet

<b>Product Name</b>	<b>CALTRON EDTP</b>
<b>Product code</b>	<b>CLT - 1001</b>
<b>Chemical Description</b>	[N,N,N,N'-Tetrakis (2-hydroxypropyl) ethylenediamine]
<b>CAS NO.</b>	102-60-3
<b>Applications</b>	[N,N,N,N'-Tetrakis (2-hydroxypropyl) ethylenediamine] as Amine Derivatives, it can be used as a complexing agent for electroless copper plating and used for electroless copper plating, flux and cleaning agent in circuit board manufacturing. The four hydroxyl groups in CALTRON EDTP give multiple cross-linking sites and the two tertiary nitrogen atoms provide catalysis for the reaction.

<b>Chemical Properties</b>	Appearance	Liquid
	Color	Colourless to pale yellow.
	Solubility in Water	Miscible
	Density @ 20° C (g/cm <sup>3</sup> )	1.010 – 1.040
	pH	10.0 ± 1
	Boiling point	175-181 °C.
	Flash point	> 100°C.

These values indicate typical specification, they are not intended to be used as product specifications.

**Storage & Handling** Normally safety precautions (i.e gloves & safety goggles) should be employed when handling **CALTRON EDTP** Contact with the eyes and prolonged contact with the skin should be avoided. It is recommended that **CALTRON EDTP** be stored in sealed HDPE Bag and kept in a cool, dry place. Store away from oxidizing agent and acid

**Work place Exposure** Occupational exposure can occur primarily through skin contact or via inhalation of vapour and mist. Engineering controls, personal protective equipment and other work place practices should be used to control these exposures

**Note** It is the responsibility of the formulator to review the chemical control regulations where the end product is intended to be sold or used.

**Additional Safety Information** Details available in Material Safety Data Sheet

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