
Technical Data Sheet

Trilon® B Liquid

December 2020

Trilon® B Liquid is a 40% aqueous solution of ethylenediaminetetraacetate (Na₄EDTA). It is the most economical form of EDTA and is generally recommended for all industrial applications unless factors dictate the selection of alternate forms.

APPLICATIONS:

Chemical Cleaning: Removes calcium oxalate, calcium sulfate, calcium carbonate, barium sulfate, and other type scales from process equipment. Used in radioactive decontamination processes.

I & I Cleaners: Dissolves scale, prevents scale formation, improves detergency of surfactants. Prevents turbidity in concentrated liquid cleaners and shampoos. Minimizes effects of polyvalent metal ions on emulsions, lubricants and polishes.

Metal Finishing: Used for removal of oxide films from metal articles; alkaline derusting; antistreak agents for pickling baths; alkaline degreasing.

Textiles: Controls metal ions in scouring, boil-off, bleaching, dyeing, stripping, and finishing operations. Protects fluorescent whitening agents from metal catalyzed oxidation and degradation. Protects dyes from color change.

Pulp/Paper: Improves efficiency of hydro bleach; reduces metal catalyzed brightness reversion. Used in descaling process equipment. Protects dyes from precipitation with metals.

Soap/Detergents: Prevention of calcium and magnesium soap formation; improve detergency of soaps and detergents. Stabilizes perborate and percarbonate bleaches.

Water Treatment: General control of water hardness; treatment of boiler feedwater; treatment of cooling tower water to minimize scale; additive to processing water to minimize spotting and staining of washed articles.

Enhanced Oil Recovery: Boiler steam flooding; added to preflush or caustic flush plug to prevent magnesium and calcium silicate precipitates; ties up hardness ions that may cause precipitation of expensive surfactants during micellar flooding.

Shelf Life:

BASF will endorse the results on the certificate of analysis for a period of up to two years from the date of manufacture for material in original, unopened, properly stored containers. Beyond two years, we recommend the quality of the material be confirmed prior to use, by retesting the certificate of analysis parameters.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.



Order Placement

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Specifications	
Appearance	Clear liquid
Concentration (Na ₄ EDTA mw 380.17)	39.0– 41.0%
1% pH	11.0 – 11.8
Color (APHA)	150 max.
Specific Gravity @ 25 °C	1.29 – 1.33

Typical physical properties	
Appearance	Clear liquid
Concentration (as Na ₄ EDTA mw =380)	39.3%
Chelation Value	103.5 mg CaCO ₃ /g
Color (APHA)	100
1% pH	11.7
Specific Gravity @25°C	1.30



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