



Specialized in chemicals

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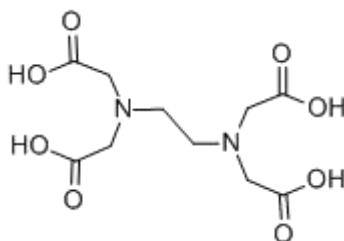
Site: www.tnjchem.com

Technical Data Sheet

Ethylenediaminetetraacetic Acid

Product Information

Product Name	Ethylenediaminetetraacetic Acid
Synonyms	EDTA; Edetic acid; ethylenediamine-N,N,N',N'-tetraacetic acid;
CAS No.	60-00-4
EINECS No.	200-449-4
Molecular formula	C ₁₀ H ₁₆ N ₂ O ₈
Molecular weight	292.24
Chemical structure	



Physical Properties

Appearance	White crystal powder
Density	0.86 g/cm ³
Melting Point	250 °C
Boiling Point	614.2 °C at 760 mmHg
Flashing Point	352.2 °C
Refractive Index	n ₂₀ /D 1.3631(lit.)
Water solubility	0.5 g/L (at 25 °C)

Specification

Items	Specification
Appearance	White crystal powder
Assay	≥99.00%
Chloride (Cl)	≤0.01%
Sulfate (SO ₄)	≤0.05%
Heavy Metal (Pb)	≤0.001%
Fe	≤0.001%

Safety

EDTA is a stable material, not dangerous on transportation
Always refer to the Material Safety Data Sheet (MSDS)

Applications

As an agent for complexation, EDTA is mainly used for water treatment, as an additive to detergent, a chemical for photography, paper-making and oil-field.

It is also used as detergent for boiler cleaning and reagent in chemical analysis.

1) High molecular chemical industry: EDTA is used as polymetization activator for butyl bezene latex, and polyreaction terminator in acrylic fibre production.

2) Daily chemicals: EDTA is used as additive to detergent, skin cream and hair-conditioner.

3) Paper-making: EDTA is used for treating the steamed fibre. It will promote the whiteness of paper and reduce the incrustation in the steamer.

4) Pharmaceutical industry: Through cyclopolymerization with methyl amide, EDTA is made into ethyl amide, a remedy for psoriasis. It is also a stablizer for some vaccines and an antihaemoagglutinin.

5) Textile dyeing and printing:

EDTA will promote colour ability of the dyestuff and brightness of the dyed fabric.

Packaging

25kg pp woven bag;

Total 18MT with pallets and 22MT without pallets per 20ft container

Storage & Handling

Store in a cool, dry place. Keep containers tightly closed.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and Disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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