



Specialized in chemicals

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Technical Data Sheet

EDTA 2Na

Product Information

Chemical Name	EDTA 2Na
CAS #	6381-92-6
Formula	C ₁₀ H ₁₂ N ₂ Na ₂ O ₈ .2H ₂ O
Molecular Weight	372.23
Synonyms	EDTA-2Na dihydrate; EDTA, Disodium Salt; EDTA-2NA

Structural formula:



Physical Properties

EDTA-2Na is white powder with two crystal water, easy to lose crystal water when dried and easy to soluble in water, but hard to soluble in organic solvents like alcohol or ethyl ether. The PH value of 5% (25C) aqueous solution is 4.0-6.0.

Appearance:white powder or crystal

Molecular Weight:372.23

Density:1.01 g/mL at 25 °C

Boiling Point:614.2 °C at 760 mmHg

Melting Point:252°C

Flash Point:325.2 °C

Storage Temperature:2-8°C
Refractive index:n₂₀/D 1.363
Solubility:soluble except alcohol
Stability:Stable. Incompatible with strong oxidizing agents.

Specification

Items	Industrial Grade	Food and Medical Grade
Content%	≥99.0	≥99.5
Chloride(Cl)%	0.01	≤ 0.001
Sulfate(SO ₄)%	≤ 0.05	≤ 0.03
Metal chelate(Pb)%	≤ 0.001	≤ 0.001
Iron(Fe)%	0.01	≤ 0.001
Copper(Cu)%	0.025	0.0025
Chelate: mgCaCO ₃ /g(PH=11)	265min	267 min
pH Value(5% water solution)	4.0-5.0	4.0-5.0
NTA%	/	≤0.1
Bulk density kg/m ³	/	850-1050
Clarity testing	Transparent	Transparent
Appearance	white crystal powder	white crystal powder

Applications

This product is the water quality steady agent which used in water treatment agent, cleaner, boiler scale inhibitor, corrosion inhibitor. And it is also used in photographic chemicals, detergent, textile auxiliaries, fiber treatment agent, leather chemicals, paper chemicals, medicament, chemicals (whether) refined, synthetic rubber, PH modifier ,micronutrient fertilizer production and sea farming, etc. When stating the redox reaction for the polymerization of butyl benzene rubber, it is used as part of activator for the complexation of metal ion and control of polymerization speed.

Packaging

Polypropylene bag lined with polyethylene bag, or papger bag,N.W. 25Kg/bag or as per customer requirement. 20mt/20' FCL palletized, if no pallet,22mt/20' FCL.

Storage & Handling

Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.
Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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