



Specialized in chemicals

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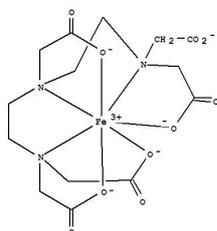
Technical Data Sheet

DTPA FeNa

Product Information

Chemical Name	DTPA FeNa
CAS #	12389-75-2
Formula	C ₁₄ H ₁₉ FeN ₃ NaO ₁₀
Molecular Weight	468.15
Synonyms	Iron sodium DTPA; Sodium iron DTPA; DTPA Ferric Sodium

Structural formula:



• H⁺

• Na⁺

Physical Properties

Yellow brown powder. It is a stable water chelate Fe in chelating state which is mainly used in agriculture, horticulture and chemicals.

Specification

Items	Specifications
Product name	Diethylenetriaminepentaacetic ferric disodium complex
Molecular Formula	C ₁₄ H ₁₉ N ₃ O ₁₀ FeNa

Molecular Weight	468.2
Appearance	Yellow brown powder
Fe Chelated	≥11%
CAS NO	12389-75-2
Solubility in water	0.05% max
pH Value (1% water solution)	2-4

Applications

It can prevent and cure the iron-deficiency. Iron is an essential microelement for the growth of plants. Iron-DTPA has the best characteristics of stability from photo degradation, pH, next to neutrality, and is without any phototoxic effects. The efficiency is increased when used in a mixture with products that contain amino acids.

DTPA-Fe11 is quite stable with the chemical properties,

it's hard to oxidize and deoxidized. And can be mixed with phosphate fertilizer and carbonate fertilizer and made into nutrient fluid. Plus it can use together with many weedicides and pesticides. It has no causticity, so it won't burn the foliar or make the root withered. And it can quickly solute in hard water and cold water

without water in soluble matter, so it's very suitable for modern agricultural nutrition cultivation system.

Packaging

- 1) 25 KG Kraft paper bag with PVC film inside
- 2) 25 KG drum packing
- 3) 1KG Aluminum Foil Bag , and 20bags put into one 20KG Carton Box
- 4) 500KG jumbo bag
- 5) 1kg aluminum bag or(1kg plastic bag)/1kgcolor box 20 color boxes 20kgs/ctn

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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