



Specialized in chemicals

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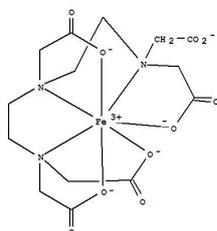
## Technical Data Sheet

### DTPA FeNa

#### Product Information

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

#### Structural formula:



• H<sup>+</sup>

• Na<sup>+</sup>

#### 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 <sub>14</sub> H <sub>19</sub> N <sub>3</sub> O <sub>10</sub> 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.

*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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