



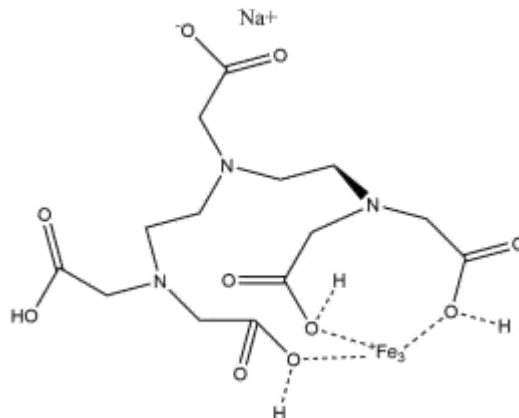
## Product Information Sheet

### I331 NaHFe-DTPA

Synonym: Sequestrene® 330; Sodium ferric diethylenetriaminepentaacetate  
CAS: 12389-75-2  
Formula:  $C_{14}H_{19}FeN_3NaO_{10}$   
MW: 468.15 g/mol

#### Properties:

Form: Powder  
Appearance: Yellow-Green Powder  
Application: Plant Micronutrient  
Solubility: Water  
Typical Working Concentration: Varies by application, should be determined by the end user.  
Storage Temp: Room Temperature  
Other Notes: Plant Tissue Culture Tested



#### Application Notes:

DTPA is a chelating agent for metal salts in plant tissue culture media. DTPA has a slightly stronger affinity for Iron (III) over EDTA, but it is still less than EDDHA (Halvorson and Lindsay, 1972). It is also an effective chelator of Iron (III) from pH 4-8.

Please Note: While *PhytoTechnology Laboratories™* tests each lot of this product with two or more plant cell/ tissue culture lines, it is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

#### References:

Halvorson AD, and WL Lindsay (1972) Equilibrium Relationships of Metal Chelates in Hydroponic Solutions. *Soil Sci. Soc. Amer. Proc.* Vol. 36(5):755-761  
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