



## Ultrasol<sup>®</sup> micro FeD12 (DTPA chelate)

### Technical Information

**Application** In agriculture and in horticulture in soil or hydroponics applications or as foliar feed.

Specifications	Item	Specification <small>(method of analysis available on request)</small>
	Appearance	Yellow green crystals
	pH (1% solution)	2.5 - 3.5
	Iron (Fe) water-soluble, typical*	11.6%
	Iron (Fe) water-soluble, minimum	11.3%
	Level of chelation	fully

**Main Characteristics** Ultrasol<sup>®</sup> micro Fe D12 is a stable, water-soluble iron chelate, Iron is chelated by DTPA.

Item	Characteristic
Stable within pH	1.5 - 7.5
Particle size distribution (D50)	approx. 135 µm
Bulk density tapped	approx. 800 - 1000 kg/m <sup>3</sup>
Bulk density untapped	approx. 600 - 800 kg/m <sup>3</sup>
Solubility in water	approx. 110 g/l (20 °C), 160 g/l (50 °C) (at pH as such)
Solubility under practical conditions (at pH = 7) is approx.	575 g/l (20 °C)

**Packaging** For information on possible packaging types and sizes, please contact your nearest Tanuki representative.

**Storage** Store in original packaging at a dry place at ambient temperature (below 25 °C).

It is advised to re-test after three years of storage. Exposure to sunlight may cause degradation of the product.



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**Chemical Name** Diethylenetriaminepentaacetic acid ferric-sodium hydrogen complex, DTPA-FeHNa

**Chemical Formula**  $C_{14}H_{18}N_3O_{10}FeHNa$

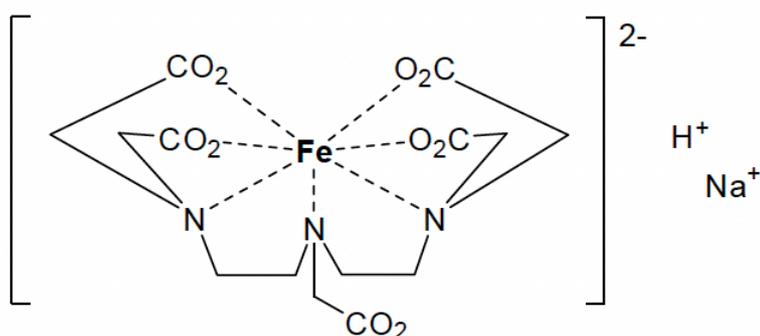
**Molecular Weight** 468.2

**Environmental Aspects** Slowly biodegradable. Subject to photo degradation as aqueous solution.

In agro applications the chelating agent will degrade just slowly enough to perform its function to bring the micronutrient to the plant, but fast enough to avoid unwanted accumulation in the environment.

Chemical oxygen demand (C.O.D.): approx. 750 mg/g

### Structure



### Further Information

For transport, handling and first aid instructions please refer to the Safety Data Sheet, which is available on request.

For samples, technical service and further information (ask for our User Recommendation Sheets), please contact your nearest Tanuki Sales Office or agent, or visit our [website](#).

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While Tanuki Pty Ltd has taken all reasonable care in the preparation of this technical sheet, the information is a guide only and should not be relied upon as a substitute for you seeking professional advice in relation to the use of Tanuki products.