



Product Data Leaflet

Dissolvine® D-Fe-11

Application

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

Specifications

Item	Specification
	Method of analysis available on request
Appearance	Yellow green crystals
pH (1% solution)	2.5 - 3.5
Iron (Fe) content, typical*	11.6%
Iron (Fe) content, minimum	11.3%
Level of chelation	fully

Product meets requirements for an EC-fertilizer

* EC-fertilizer label value.

Main Characteristics

Dissolvine® D-Fe-11 is a stable, water-soluble iron chelate;
Iron is chelated by DTPA.

Item	Characteristic
Stable within pH	1.5 - 7.5
Bulk density tapped	approx. 800 - 1000 kg/m ³
Bulk density untapped	approx. 600 - 800 kg/m ³
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)

Packing

For information on possible packing types and sizes, please contact your nearest AkzoNobel representative

Storage

Store in original packing 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.



Product Data Leaflet

Dissolvine® D-Fe-11

Chemical Name

Diethylenetriaminepentaacetic acid ferric-sodium hydrogen complex; DTPA-FeHNa

Chemical Formula

$C_{14}H_{18}N_3O_{10}FeHNa$

Molecular Weight

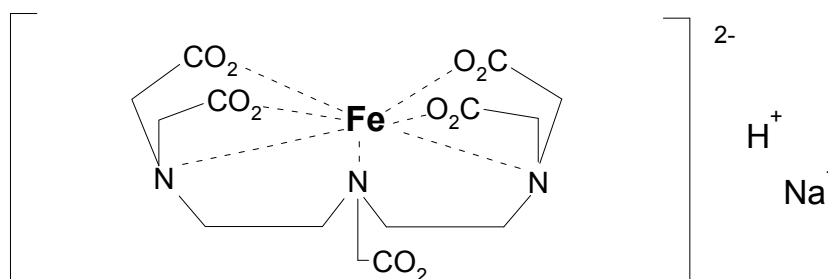
468.2

Environmental Aspects

Slowly biodegradable. Subject to photodegradation as aqueous solution.

Chemical oxygen demand (COD): 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 Akzo Nobel Chemicals Sales Office or agent, or:

Internet

www.akzonobel.com/micronutrients

Addresses

Europe, Middle East and Africa

Akzo Nobel Functional Chemicals bv
Stationsstraat 77
P.O. Box 247
3800 AE Amersfoort
The Netherlands
Tel: +31 33 467 6341
E-mail: EUR-micronutrients@akzonobel.com

North, Central and South America

Akzo Nobel Functional Chemicals LLC
525 Van Buren Street
Chicago, Illinois 60607
United States of America
Inside USA Tel: +1 800 906 7979
Outside USA Tel: +1 312 544 7000
E-mail: NAM-micronutrients@akzonobel.com

Asia Pacific - China

Akzo Nobel Chemicals (Ningbo) Co., Ltd.
5F, The Exchange
No. 299 Tong Ren Road
Jin An District, Shanghai 200040
P.R. China
Tel: +86 21 2216 3600
E-mail: AP-micronutrients@akzonobel.com

Asia Pacific - excl. China

Akzo Nobel Functional Chemicals Pte Ltd.
41 Science Park Road
#03-04 The Gemini
Singapore Science Park II
Singapore 117610
Tel: +65 6773 8488
E-mail: AP-micronutrients@akzonobel.com