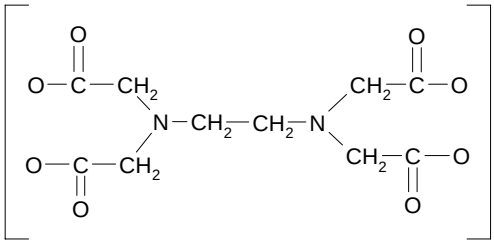
Dissolvine® E-FE-13

Chemical Name Ethylenediaminetetraacetic acid, ferric-sodium complex;

Chemical formula [EDTA-Fe] Na · $3H_2O$

Structure



$FeNa . 3H_2O$

Mol. Weight 421.1

CAS Number 15708-41-5

Specifications

Characteristic	Specification
Appearance	Yellow green powder
Assay	99% min
Ferric content	13.1% min
pH of a 1% wv aqueous solution	4.0 - 5.0
Chloride	0.1% max

Main Characteristics Dissolvine® E-FE-13 is a stable, water-soluble metal chelate with oxidizing properties.

Solubility in water	approx. 90 g/l water (20°C)
	approx. 120 g/l water (30°C)
	approx. 300 g/l water (70°C)
Bulk density (tapped)	approx. 1.1 g/cc

Applications
In the photographic industry as bleaching agent.
In the chemical industry as catalyst.
In food for iron fortification.

Dissolvine® E-FE-13

Environmental aspects

Biodegradability: difficult
C.O.D.: approx. 570 mg/g

Packing

50 lbs net in polyethylene-lined bags (pallets: 40 bags each).

Storage

Store in original packing in a dry place.
Opened bags must be sealed properly.
It is advised to re-test the material after three years of storage.

Further Information

For transport, handling and first aid instructions please refer to the Material Safety Data Sheet, which is available on request.
For samples, technical service and further information, please contact your nearest Akzo Nobel Chemicals Sales Office or agent, or:

Internet

www.dissolvine.com

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