

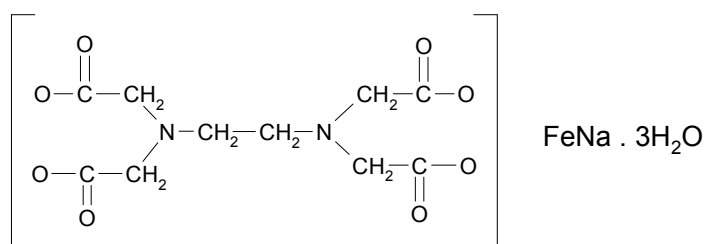


Dissolvine[®] E-FE-13

Chemical Name Ethylenediaminetetraacetic acid, ferric-sodium complex

Chemical formula [EDTA-Fe]Na · 3H₂O

Structure



Mol. Weight 421.1

CAS Number 15708-41-5 (anhydrous)
18154-32-0 (trihydrate)

Specifications	Checkpoint	Specification	Units	Method
	Appearance	Yellow green powder		visual
	Assay	99 min	%	SMA 347.05
	Ferric content	13.1 min	%	SMA 347.05
	Chloride content	0.1 max	%	SMA 269.35
	pH of a 1% wv aqueous dilution	4.0 - 5.0		SMA 176.18

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 untapped (poured)	: approx. 800-1000 kg/m ³
Bulk density tapped	: approx. 1100-1300 kg/m ³



Dissolvine[®] E-FE-13

Applications	In the photographic industry as bleaching agent. In the chemical industry as catalyst.	
Environmental aspects	Inherently biodegradable. Subject to photodegradation as aqueous solution COD: approx. 570 mg/g	
Storage	Store in original packing at a dry place. Opened bags must be closed again 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 Safety Data Sheet, which is available on request. For samples, technical service and further information, please contact your nearest AkzoNobel representative or:	
Internet	www.dissolvine.com	
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@dissolvine.com	North, Central and South America Akzo Nobel Functional Chemicals LLC 525 W. 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@dissolvine.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@dissolvine.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@dissolvine.com