

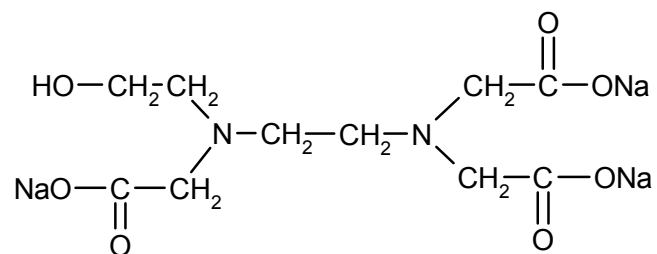


Dissolvine[®] H-40

Chemical Name Hydroxyethylethylenediaminetriacetic acid, trisodium salt

Chemical formula HEDTA-Na₃

Structure



Mol. Weight 344.2

CAS Number 139-89-9

Specifications

Characteristic	Specification
Appearance	Clear liquid
Active ingredient	41.5% min
Chelation value (CaCV)	120.5 mg CaCO ₃ /g min
Color of a 50% v/v dilution	250 APHA max
pH of a 1% w/v dilution	11.0 - 11.8
Specific gravity at 25°C	1.27 - 1.30

Main Characteristics

Dissolvine[®] H-40 is a sequestering agent, forming stable, water-soluble chelates with polyvalent metal ions in a wide pH range.

Miscibility with water : any desired ratio
 Specific gravity : approx. 1.28
 Crystallization point : below -18°C

Sequestering values for Dissolvine[®] H-40 are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine[®] H-40
calcium	6-14	50
copper	2-12	80
ferric	1-10	70
magnesium	6-11	30
manganese	4-12	70
zinc	3-12	80





Dissolvine[®] **H-40**

Applications	In the textile industry as complexing agent for ferric ions. In the metal cleaning industry as derusting agent. In the photographic industry as component in development baths.	
Environmental aspects	Slowly biodegradable COD: approx. 370 mg/g	
Packing	For information on possible packing types and sizes, please contact your nearest AkzoNobel representative.	
Storage	Avoid contact with Aluminum, nickel, zinc, copper, and copper alloys. Store in PVC, PP, PE, Stainless steel, bituminized tanks. 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

