

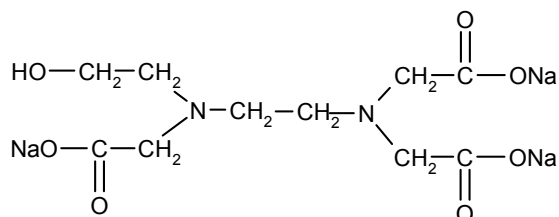


## Dissolvine<sup>®</sup> H-40

**Chemical Name** Hydroxyethylethylenediaminetriacetic acid, trisodium salt

**Chemical formula** HEDTA-Na<sub>3</sub>

**Structure**



**Mol. Weight** 344.2  
**CAS Number** 139-89-9

Specifications	Checkpoint	Specification	Units	Method
	Appearance	Clear amber liquid		visual
	Assay according to Fe sequestering capacity	42.5 min	%	SMA 916.02
	pH of a 1% wv aqueous dilution	11.0 – 11.8		SMA 176.02

**Main Characteristics** Dissolvine<sup>®</sup> 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  
Density : approx. 1280 kg/m<sup>3</sup>  
Crystallization point : below -18°C

Sequestering values for Dissolvine<sup>®</sup> H-40 are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine <sup>®</sup> 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**<sup>®</sup> **H-40**

<b>Applications</b>	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.	
<b>Environmental aspects</b>	Slowly biodegradable COD: : approx. 370 mg/g	
<b>Packing</b>	For information on possible packing types and sizes, please contact your nearest AkzoNobel representative.	
<b>Storage</b>	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	
<b>Further Information</b>	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:	
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