

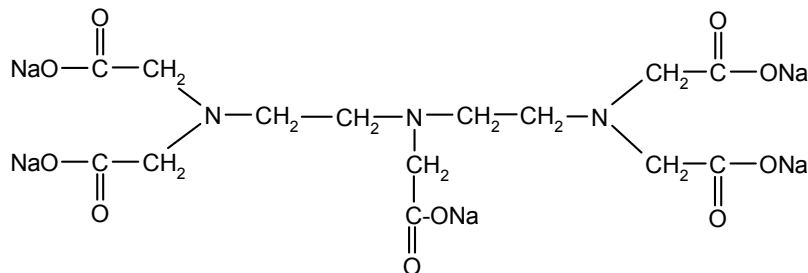


Dissolvine[®] D-40

Chemical Name Diethylenetriaminepentaacetic acid, pentasodium salt

Chemical formula DTPA-Na₅

Structure



Mol. Weight 503.3

CAS Number 140-01-2

Specifications	Checkpoint	Specification	Units	Method
	Appearance	Clear, pale yellow liquid		visual
	Assay according to Fe-sequestering capacity	40.0 min	%	SMA 916.02
	pH of a 1% wv aqueous dilution	11.0 – 12.0		SMA 176.18

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

Miscibility with water : any desired ratio
 Density : approx. 1280 kg/m³
 Crystallization point : < -15°C

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

Metal ion	pH range	mg metal/g Dissolvine [®] D-40
calcium	6 - 14	30
copper	2 - 14	50
ferric	1 - 11	45
magnesium	6 - 12	20
manganese	4 - 13	45
Zinc	2 - 13	50



Dissolvine[®] D-40

Applications	In the pulp industry as stabilizer in peroxide and hydrosulphite bleaching. In the textile industry as stabilizer in bleaching and dyeing baths. In the photographic industry as stabilizer in developing baths.	
Environmental aspects	Slowly biodegradable COD: approx. 290 mg/g	
Packing	For information on possible packing types and sizes, please contact your nearest AkzoNobel representative.	
Storage	Store in original packing or in PVC, PP, PE, stainless steel or bituminized tanks. Avoid contact with aluminum, zinc, nickel, copper and copper alloys. 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:	
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