

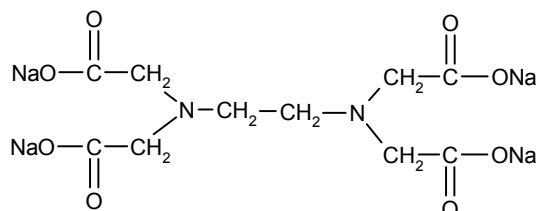


Dissolvine[®] E-39

Chemical Name Ethylenediaminetetraacetic acid, tetrasodium salt

Chemical formula EDTA-Na₄

Structure



Mol. Weight 380.2

CAS Number 64-02-8

Specifications	Checkpoint	Specification	Units	Method
	Appearance	clear liquid		visual
	Assay according to Fe-sequestering capacity	39.0 min	%	SMA 916.02
	Color	200 max	Pt-Co	SMA 898.06
	pH of 1% wv aqueous dilution	10.8 - 11.8		SMA 176.18

Main Characteristics Dissolvine[®] E-39 is a versatile sequestering agent, forming stable, water-soluble chelates with polyvalent metal ions in a wide pH range.

Miscibility with water : any desired ratio
 Density : approx. 1300 kg/m³
 Crystallization point : below -18°C

Sequestering values for Dissolvine[®] E-39 are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine [®] E-39
calcium	5 - 14	40
copper	2 - 14	65
ferric	1 - 10	55
magnesium	6 - 11	25
manganese	3 - 13	55
zinc	2 - 13	65



Dissolvine[®] E-39

Applications

In numerous branches of industries for control of hardness and heavy metal ions.

Application area

- * cleaning
- * detergents & soaps
- * disinfectants
- * personal care
- * metal treatment
- * oil industry
- * polymer processing
- * pulp & paper industry
- * textile industry

Function

- hardness controller
- stabilizer
- potentiator
- stabilizer
- metal remover
- scale dissolver
- stabilizer
- bleach stabilizer
- bleach & dye stabilizer

Environmental aspects

Inherently biodegradable.
Rapid biodegradation can be obtained under slightly alkaline conditions.
COD: approx. 260 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:

Internet

www.dissolvine.com

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