

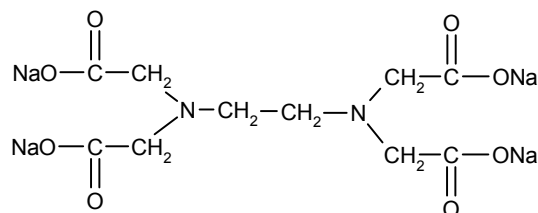


Dissolvine[®] NA

Chemical Name Ethylenediaminetetraacetic acid, tetrasodium salt

Chemical formula EDTA- Na_4

Structure



Mol. Weight 380.2

CAS Number 64-02-8

Specifications	Checkpoint	Specification	Units	Method
	Appearance	Off-white micro-granular powder		visual
	Assay (mw= 380.2)	86 min	%	SMA 916.02
	pH of a 1% wv aqueous solution	11.0 – 12.0		SMA176.18

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

Solubility in water : approx. 1100 g/l water (20°C)
 : approx. 1500 g/l water (80°C)
 Bulk density untapped (poured) : approx. 500-700 kg/m³
 Bulk density tapped : approx. 700-900 kg/m³

Sequestering values for Dissolvine[®] NA are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine [®] NA
calcium	5 - 14	90
copper	2 - 14	145
ferric	1 - 10	125
magnesium	6 - 11	55
manganese	3 - 13	125
zinc	2 - 13	150



Dissolvine[®] NA

Applications

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

Application area

- * cleaning industry
- * detergents & soaps
- * disinfectant
- * metal treatment
- * oil field
- * polymer processing
- * pulp & paper industry
- * textile industry

Function

- hardness controller
- stabilizer
- potentiator
- 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. 560 mg/g

Packing

For information on possible packing types and sizes, please contact your nearest AkzoNobel representative.

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

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