

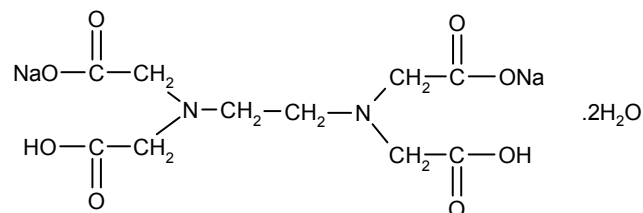


Dissolvine[®] NA2

Chemical Name Ethylenediaminetetraacetic acid, disodium salt

Chemical formula EDTA-Na₂H₂·2H₂O

Structure



Mol. Weight 372.2

CAS Number 6381-92-6 (dihydrate)
139-33-3 (anhydrous)

Specifications	Checkpoint	Specification	Units	Method
	Appearance	Free-flowing white powder		visual
	Assay	99 min	%	SMA 916.02
	pH of a 1% wv aqueous solution	4.0 - 5.0		SMA 176.18

Main Characteristics Dissolvine[®] NA2 is a sequestering agent of high purity forming stable, water-soluble chelates with polyvalent metal ions in a wide pH range.

Solubility in water	: approx. 100 g/l water (20°C)
	: approx. 135 g/l water (40°C)
	: approx. 230 g/l water (80°C)
Bulk density untapped (poured)	: approx. 500-700 kg/m ³
Bulk density tapped	: approx. 800-1000 kg/m ³

Sequestering values for Dissolvine[®] NA2 are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine [®] NA2
calcium	5 - 14	105
copper	2 - 14	170
ferric	1 - 10	150
magnesium	6 - 11	65
manganese	3 - 13	145
zinc	2 - 13	175



Dissolvine[®] NA2

Applications	In the detergent industry as stabilizer. In the chemical industry as metal carrier in redox systems. In the cosmetic industry as stabilizer for preparations. In the printing industry to control hardness and as stabilizer.	
Environmental aspects	Inherently biodegradable. Rapid biodegradation can be obtained under slightly alkaline conditions. COD: approx. 630 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:	
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