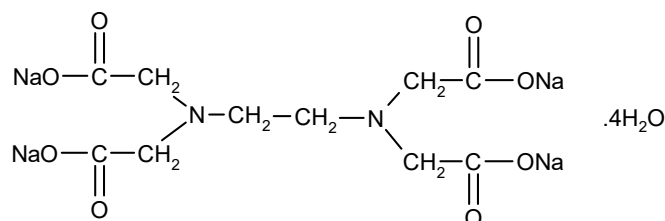


Dissolvine[®] 220-S

Chemical Name Ethylenediaminetetraacetic acid tetrasodium salt, tetrahydrate

Chemical formula EDTA-Na₄.4H₂O

Structure



Mol. Weight 452.2

CAS Number 64-02-8

Specifications	Checkpoint	Specification	Units	Method
	Appearance	White crystalline		visual
	Assay as EDTA-Na ₄ .4H ₂ O	99 min	%	SMA 884.02
	Chelating Value (CaCV)	219 min	mg CaCO ₃ /g	SMA 884.02
	NTA-Na ₃	<0.10	%	SMA 883.02
	pH of a 1% w/w solution	10.5 - 11.5		SMA 176.18
	Color of a 30% w/w solution	200 max	APHA	SMA 898.06

Main Characteristics Dissolvine[®] 220-S is a versatile non-hygroscopic sequestering agent, forming stable, water-soluble chelates with polyvalent metal ions in a wide pH range.

Solubility in water : approx. 1000 g/l water (20°C)
 Bulk density untapped (poured) : approx. 650-850 kg/m³
 Bulk density tapped : approx. 900-1100 kg/m³

Sequestering values for Dissolvine[®] 220-S are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine [®] 220-S
calcium	5 - 14	90
copper	2 - 14	140
ferric	1 - 10	120
magnesium	6 - 11	55
manganese	3 - 13	120
zinc	2 - 13	145

Dissolvine[®] 220-S

Applications

In numerous branches of the industry 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. 530 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 Nouryon representative or:

Internet

www.dissolvine.com

Addresses

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You can find the addresses of our offices at
<https://chelates.nouryon.com/locations/>