

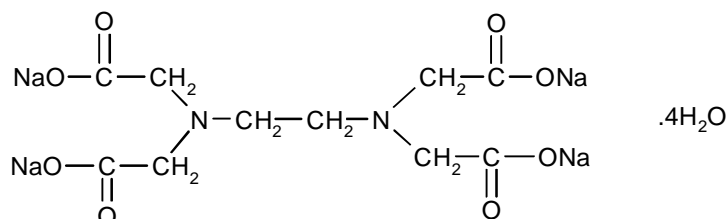


Dissolvine[®] 220-S

Chemical Name Ethylenediaminetetraacetic acid tetrasodium salt, tetrahydrate

Chemical formula EDTA-Na₄.4H₂O

Structure



Mol. Weight 452.2

CAS Number 64-02-8

Specifications

Characteristic	Specification
Appearance	White crystalline powder
Assay as EDTA-Na ₄ .4H ₂ O	99% min
Chelating value (CaCV)	219 mg CaCO ₃ /g min
NTA-Na ₃	0.1 % max
pH of a 1% w/w solution	10.5 - 11.5
Color of a 30% w/w solution	200 APHA max

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. 1100 g/l water (20°C)
	: approx. 1500 g/l water (80°C)
Bulk density untapped (poured)	: approx. 650-850 kg/m ³
Bulk density tapped	: approx. 900-1100 kg/m ³

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	





Dissolvine[®] 220-S

Applications	In personal care and cosmetics for: <ul style="list-style-type: none">- controlling metal catalyzed decomposition for better shelf life- controlling water hardness and prevention of precipitation- boosting the performance of preservatives
Environmental aspects	Inherently biodegradable. Rapid biodegradation can be obtained under slightly alkaline conditions. C.O.D.: 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 AkzoNobel representative or:
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