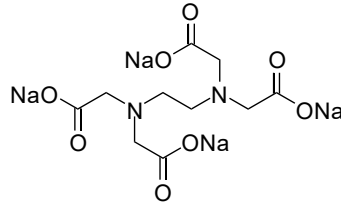


# Dissolvine 100-S

Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt



Dissolvine® 100-S is a versatile sequestering agent, forming stable, water-soluble chelates with polyvalent metal ions in a wide pH range.

CAS number  
64-02-8

Molecular weight  
380.2

Molecular formula  
EDTA-Na<sub>4</sub>

## Specifications

Appearance	Clear liquid
Assay according to Fe-sequestering capacity	≥ 38.2 %
Color	≤ 150 APHA
Density	~ 1280 kg/m <sup>3</sup>
NTA-Na <sub>3</sub>	≤ 0.1 %
pH, 1% w/v aqueous dilution	11.0-11.8

## Characteristics

Crystallization point	≤ -15 °C
Miscibility with water	any desired ratio

## Sequestering values (approx.), theoretical

Calcium, pH 5-14	40 mg metal/g
Copper, pH 2-14	65 mg metal/g
Ferric, pH 1-10	60 mg metal/g
Magnesium, pH 6-11	25 mg metal/g
Manganese, pH 5-13	60 mg metal/g
Zinc, pH 2-13	70 mg metal/g

## Applications

In numerous branches of industries for control of hardness and heavy metal ions. Application areas: \* cleaning \* detergents & soaps \* disinfectants \* personal care \* metal treatment \* oil industry \* polymer processing \* pulp & paper industry \* textile industry

## 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.

## Packaging and transport

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

## Environmental aspects

Inherently biodegradable. Rapid biodegradation can be obtained under slightly alkaline conditions.

Chemical Oxygen Demand (mg/g)	~ 260
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## Additional 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.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.