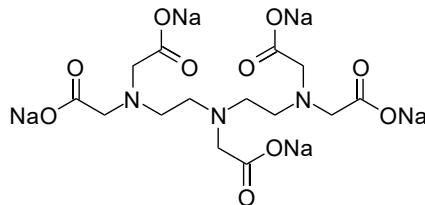


Dissolvine D-40

Diethylenetriaminepentaacetic acid, pentasodium salt



Diethylenetriaminepentaacetic acid (DTPA),
pentasodium salt

CAS number
140-01-2

Molecular weight
503.3

Molecular formula
DTPA-Na₅

Specifications

Active ingredient	≥ 40.5 %
Appearance	Clear pale yellow liquid
Assay according to Fe-sequestering capacity	≥ 40.0 %
Chelating value, CaCV	≥ 80.5 mg CaCO ₃ /g
Color	≤ 250 APHA
Density	~ 1280 kg/m ³
pH, 1% w/v aqueous dilution	11.0-12.0
pH, 1% w/v dilution	11.0-11.8
Specific gravity, 25°C	1.28-1.32

Characteristics

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

Sequestering values (approx.), theoretical

Calcium, pH 6-14	30 mg metal/g
Copper, pH 2-14	50 mg metal/g
Ferric, pH 1-11	45 mg metal/g
Magnesium, pH 6-12	20 mg metal/g
Manganese, pH 4-13	45 mg metal/g
Zinc, pH 2-13	50 mg metal/g

Notes:

Dissolvine® D-40 is a sequestering agent, forming very stable water-soluble chelates with polyvalent metal ions in a wide pH range.

Applications

In the pulp industry as stabilizer in peroxide and hydrosulphite bleaching. In the textile industry as stabilizer in bleaching and dyeing baths. In the photographic industry as stabilizer in developing baths.

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

Slowly biodegradable

Chemical Oxygen Demand (mg/g)	~ 290
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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.