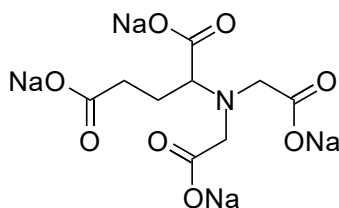


# Dissolvine GL-47-S

Glutamic acid, N,N-diacetic acid, tetra sodium salt



Glutamic acid, N,N-diacetic acid, tetrasodium salt  
(GLDA)

CAS number  
51981-21-6

Molecular weight  
351.1

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

## Specifications

|                               |                          |
|-------------------------------|--------------------------|
| Appearance                    | Clear liquid             |
| Assay as GLDA-Na <sub>4</sub> | ≥ 47.4 %                 |
| Color                         | ≤ 250 APHA               |
| Density                       | ~ 1400 kg/m <sup>3</sup> |
| NTA-Na <sub>3</sub>           | ≤ 0.10 %                 |
| pH, 1% w/v dilution           | 11.0-11.8                |

## Characteristics

|                        |                   |
|------------------------|-------------------|
| Crystallization point  | ≤ -15 °C          |
| Electro conductivity   | ~ 4.75 mS/cm      |
| Miscibility with water | any desired ratio |
| NTA-Na <sub>3</sub>    | ≤ 0.10 %          |

## Sequestering values (approx.), theoretical

|                    |               |
|--------------------|---------------|
| Calcium, pH 6-14   | 55 mg metal/g |
| Copper, pH 2-12    | 85 mg metal/g |
| Ferric, pH 2-8     | 75 mg metal/g |
| Magnesium, pH 5-10 | 35 mg metal/g |
| Manganese, pH 5-10 | 75 mg metal/g |
| Zinc, pH 3-12      | 90 mg metal/g |

### Notes:

Dissolvine® GL-47-S is a high purity, versatile and readily biodegradable chelate based on L-glutamic acid, a natural and renewable raw material.

## Applications

Boosting agent for disinfecting products (with low skin irritation) Improved detergency at high water hardness Hard surface cleaning performance is improved in combination with gluco(hepto)nates Scale removal at high pH Scale inhibitor in laundering and dishwashing applications. Booster for stain removal in dish washing detergents better than citrates and phosphates Scum inhibitor in bathroom cleaners Improved cleaning & foaming in shampoo applications. Storage stabilization of bleaching agents (perborates / percarbonates) and unsaturated alkyl chain based surfactants. Transport cleaners: Oil and Iron removal at high pH replacement for NTA

## 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

Readily biodegradable, non-hazardous, Ecolabel compliant

|                               |         |
|-------------------------------|---------|
| Chemical Oxygen Demand (mg/g) | 345-385 |
|-------------------------------|---------|

## 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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