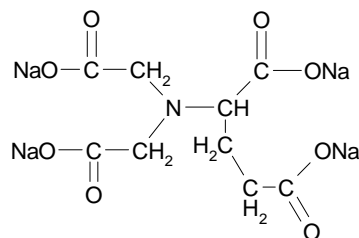


Dissolvine® GL-47-S

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

Chemical formula GLDA-Na₄

Structure



Mol. Weight 351.1

CAS Number 51981-21-6

Specifications

Characteristic

Appearance
Assay as GLDA-Na₄
pH of a 1% w/v dilution
Color
NTA-Na₃

Specification

clear liquid
47.4% min
11.0 – 12.0
250 APHA max
< 0.10%

Main Characteristics

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

Miscibility with water : any desired ratio.
Specific Gravity : approx. 1.40

Sequestering values for Dissolvine® GL-47-S are approximately (theoretical calculated figures):

Metal ion	pH range	mg metal/g Dissolvine® GL-47-S
calcium	5 - 14	55
copper	2 - 14	85
ferric	1 - 6	75
magnesium	6 - 12	35
manganese	3 - 14	75



Dissolvine® GL-47-S

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

Environmental aspects

- Biodegradability: readily
- C.O.D.: 345-385 mg/g

Packing Storage

- Store in original packing or in PVC, PE, stainless steel or bituminized tanks.
- Avoid contact with aluminum, copper, copper alloys and nickel.
- 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 Akzo Nobel Chemicals Sales Office or agent, or:

Internet

- www.dissolvine.com

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