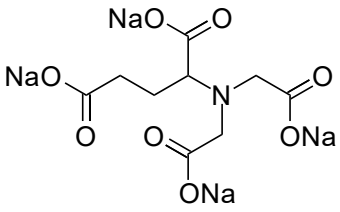
Dissolvine GL-47-S

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_4

Specifications

Appearance	Clear liquid
Assay as GLDA-Na_4	≥ 47.4 %
Color	≤ 250 APHA
Density	~ 1400 kg/m^3
NTA-Na_3	≤ 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_3	≤ 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.