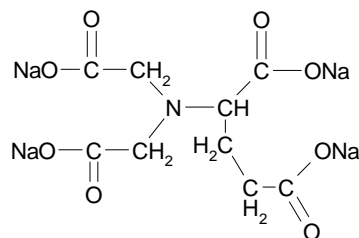


Dissolvine® GL-47-S

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	
Address	Europe, Middle East and Africa	North, Central and South America
	Akzo Nobel Functional Chemicals bv Stationsstraat 77 P.O. Box 247 3800 AE Amersfoort The Netherlands Tel: + 31 33 4676341 Fax: +31 33 4676165 E-mail: EUR@dissolvine.com	Akzo Nobel Functional Chemicals LLC 525 Van Buren Street Chicago, Illinois 60607 USA Inside USA Tel: 1 800 906 7979 Outside USA Tel: +1 312 544 7000 Fax: + 1 312 544 7167 E-mail: NAM@dissolvine.com
	Asia Pacific	
	Akzo Nobel Functional Chemicals Pte Ltd. 41 Science Park Road #03-04 The Gemini Singapore Science Park II Singapore 117610 Tel: +65 6773 8488 Fax: +65 6358 0659 E-mail: AP@dissolvine.com	