



KOR GLDA

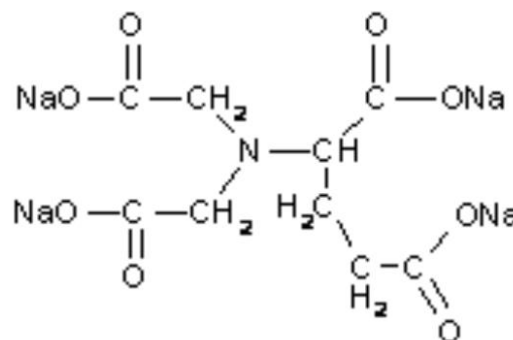
CHEMICAL NAME	Tetrasodium N,N-bis(carboxylatomethyl)-L Glutamate
Molecular Formula	C ₉ H ₉ NO ₈ Na ₄
Cas No	51981-21-6
Einecs No	257-573-7

PRODUCT FEATURES

- ✓ KOR GLDA is a concentrated aqueous solution of an amino acid based natural chelating agent.
- ✓ The GLDA complexes hard water ions effectively whilst retaining its high chelating value at elevated temperatures compared to other chelating agents.
- ✓ A special feature of KOR GLDA is its extremely high solubility under a wide range of conditions – from strongly acidic to high caustic conditions and in between.
- ✓ It is highly effective at low concentrations of water at a very wide acidic and alkaline pH range.
- ✓ Not only does KOR GLDA offer greater solubility at high pH, but it is the only strong chelate allowing highly concentrated solutions to be stable at low pH.
- ✓ KOR GLDA is readily biodegradable and can be considered as one of the most environmentally friendly chelators without compromising product performance.
- ✓ Higher assay mixtures means less inert water is present and therefore less packaging is needed and less packaging waste is generated.
- ✓ Formulating with highly soluble KOR GLDA reduces the water that needs to be used to maintain clarity of a cleaning formulation and may allow for a greater variety and concentration of other additives to be used.
- ✓ It can be used as a more sustainable alternative to phosphonates and commonly used chelating agents (NTA and EDTA) in a wide number of applications.
- ✓ The GLDA when added to a formulation can help stabilise the product and prevent discoloration. In larger quantities it will enhance the cleaning ability and prevent deactivation of active ingredients during use.
- ✓ It also reduces the effect of Calcium and Magnesium ions resulting in better surfactant performance.

GLDA

STRUCTURE



PHYSICAL PROPERTIES

Active Content, %	49,0-52,0
Specific Gravity @ 20°C, g/cm³	1,35-1,45
pH (%1) @ 20°C	11,00-12,00
Ca Binding , mgCaCO₃/g	155,0-175,0
Color APHA, Hazen	Max. 350
Viscosity @ 20 °C 61 Spindle, mPa.s	90-150
Odor	Slightly Ammonia Like
Appearance	Light Yellow Viscose Liquid

MKS DevO Chemicals

Istanbul Head Office:
Ayazağa Mah. Kemerburgaz Cad. Vadi
İstanbul Park Sitesi 7B Blok No: 7C İç
Kapı No : 82 Sarıyer/İstanbul
Tel: + 90 212 444 4 657

Factory:

Bandırma Organize Sanayi Bölgesi
Bandırma, Balıkesir Turkey
Tel : +90 266 781 10 62
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KOR GLDA

GLDA

USE AREA

- ✓ Household cleaning
- ✓ Automatic dishwashing
- ✓ Laundry detergents
- ✓ Hand dishwashing
- ✓ Surface cleaning
- ✓ Industrial and institutional cleaning
- ✓ Mechanical dishwashing
- ✓ Cleaning in place
- ✓ Transport cleaning
- ✓ Hard surface cleaning
- ✓ Laundry detergents
- ✓ Biocidal detergents
- ✓ Metal cleaning
- ✓ Personal care and cosmetics
- ✓ Polymer production
- ✓ Pulp and paper
- ✓ Textiles
- ✓ Gas sweetening
- ✓ Metal plating and electronics
- ✓ Oil industry

SAFETY

KOR GLDA has no negative safety issues and does not require any health hazardous labelling.

Not classified as a dangerous good under transport regulations.

PACKAGE

Container, Drum and IBC

STORAGE

Shelf life of 12 months under appropriate conditions of storage.

Storage requirements: Avoid contact with aluminium, zinc, nickel, copper and copper alloys in combination with humidity/ water.

Other information: Protect product from moisture and wet air. Keep container tightly closed and dry.

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