



# KOR MGDA GRANULAR

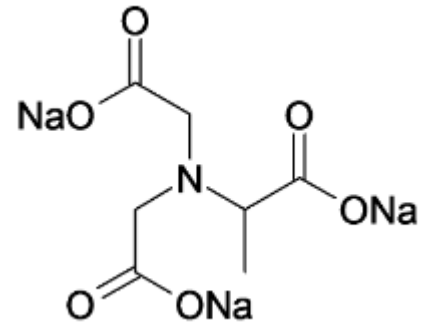
# MGDA

<b>CHEMICAL NAME</b>	Alanine, N,N bis(carboxymethyl), sodium salt
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>8</sub> NNa <sub>3</sub> O <sub>6</sub>
<b>Cas No</b>	164462-16-2
<b>Einecs No</b>	423-270-5

## PRODUCT FEATURES

- ✓ KOR MGDA GRANULAR is a granular chelating agent based on amino acid technology.
- ✓ It is a small molecule chelating agent with a structure similar to NTA, it is non-toxic.
- ✓ It is highly effective at low concentrations of water at a very wide acidic and alkaline pH range.
- ✓ KOR MGDA GRANULAR is readily biodegradable and can be considered as one of the most environmentally friendly chelators without compromising product performance.
- ✓ It is biodegradable and can improve the cleaning effect of household, industrial detergents and cleaning agents.
- ✓ KOR MGDA GRANULAR can effectively solve the stains formed by calcium soap and prevent the redeposition of calcium soap.
- ✓ KOR MGDA GRANULAR can convert poorly soluble compounds into water-soluble substances, and has good solubility for inorganic precipitates.

## STRUCTURE



## PHYSICAL PROPERTIES

pH (%1 Solution) @ 23 °C	10,0-12,0
Bulk Density (kg/m <sup>3</sup> )	600-900
MGDA-Na <sub>3</sub> Concentration(%)	Min. 78%
MGDA Concentration(%)	Min. 57,5%
Calcium Binding Capacity (mgCaCO <sub>3</sub> /g)	340-370
Appearance	Fine White/Yellowish Granular

### MKS DevO Chemicals

#### Istanbul Head Office:

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### Factory:

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## USE AREA

For cleaning the sub-application areas are:

- ✓ Household cleaning
- ✓ Automatic dish wash
- ✓ Laundry detergents
- ✓ Surface cleaning

Industrial and institutional cleaning:

- ✓ Mechanical dish washing
- ✓ Cleaning in place
- ✓ Transport cleaning
- ✓ Hard surface cleaning
- ✓ Laundry detergents
- ✓ Biocidal detergents
- ✓ Metal cleaning

Cleaning is the main application for MGDA, but it is also used in other applications, for example:

- ✓ Polymer production
- ✓ Textile industry
- ✓ Gas sweetening
- ✓ Membrane cleaning
- ✓ Metal plating and electronics

## SAFETY

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

Not classified as a dangerous good under transport regulations.

## PACKAGE

Bigbag

## STORAGE

Shelf life of 12 months under appropriate conditions of storage.

KOR MGDA GRANULAR is stable product under normal and recommended storage conditions. There are no decomposition or dangerous reactions known under normal conditions.

Due to its high pH, KOR MGDA GRANULAR should be stored in containers made of corrosion-resistant material (e.g. stainless steel or plastic containers). Materials to avoid in storage containers: Aluminum, Zinc, Copper alloys, Copper, Nickel.

Don't combine KOR MGDA GRANULAR with hypochlorite bleach.

More information on handling and safety issues can be found in the safety data sheet of KOR MGDA GRANULAR.

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