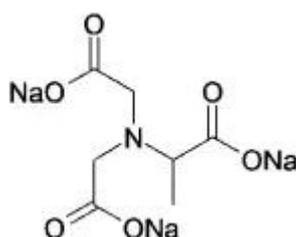


Methylglycine N,N-diacetic acid, Trisodium Salt(MGDA.Na3)

| | | | |
|--------------------------|---|-------------------------|-----------|
| CAS No. | 164462-16-2 | EINECS No. | 423-270-5 |
| Molecular Formula | C ₇ H ₁₁ NO ₆ ·3Na | Molecular Weight | 271.11 |

Structural Formula



Product Features

MGDA.Na3 is an environmentally friendly small molecule chelating agent, similar in structure to NTA, easily biodegradable and phosphorus-free.

Technical Specification

| Items | Index |
|-----------------------|---------------------------------|
| Appearance | Light yellow transparent liquid |
| Active content, % | 40.0 min |
| pH(1% water solution) | 11.0-12.0 |

Applications & Usage

MGDA.Na3 is widely used in laundry & dish washing, personal care and household Cleaning. In household cleaning, MGDA.Na3 can replace phosphorous containing builders in dishwashing detergents. MGDA.Na3 enhances the cleaning power of a cleaner / detergent by sequestering hard water ions from water and dirt. It prevents the deactivation of surfactants from hard water metal ions. It also deactivates transition metal ions thus stabilizing detergents that contain peroxides. In industrial & Institutional cleaning, MGDA.Na3 forms stable, water-soluble metal complexes with all potentially harmful metal ions. It dissolves existing and prevents new scales from causing problems in water circulation equipment (in e.g. the power, brewing, and sugar industries). Because of its low molecular weight this chelate performs very well in short contact cleaning. MGDA.Na3 is also very suitable as a metal carrier, a stabilizer of process baths and for neutralizing trace impurities.

Package & Storage

| MGDA.Na3 Liquid | | | MGDA.Na3 Solid | |
|---|---|---|--|---|
| 25L Drum | 200L Drum | 1000L IBC | 25kg Bag | Bulk Bag |
|  |  |  |  |  |
| Storage for 10 months in shady room and dry place. | | | | |

Hazard & Safety Precaution

| Hazard Information | Safety Precaution |
|---|--|
|  <p>Liquid: Corrosive, Class 8, UN 3267 Solid: Non-hazardous chemical</p> |  |
| Once contacted with eye and skin, flush with plenty of clean water. | |