



Technical Data Sheet

Chelating Agent MGDA

1. Chemical Formula

$C_7H_8NO_6Na_3$

2. CAS Number

164462-16-2

3. Molecular Weight

271.1 g/mol

4. EC Number

423-270-5



5. Description

- Phosphate-free and biodegradable, enhances the cleaning efficiency of household and industrial detergents and cleansers.
- Exhibits excellent biodegradability, causing no adverse environmental impact.
- Possesses strong chelating capabilities with metal ions like calcium and magnesium in hard water, improving the cleaning effectiveness and water stability of detergents, water treatment agents, and similar products.
- Compared to other organic acid salts, MGDA has a smaller environmental footprint, making it a more environmentally friendly and sustainable option.



6. Product Appearance



7. Physical and Chemical Properties of the Product

Name	Data
Appearance	Light yellow clear liquid
Solid content/%	≥ 55
pH value (as is)	> 8
Density (20°C)/g·cm ³	≥ 1.2



8. Packaging and Storage

200KG/Drum, 1000KG/Drum;

Store in a cool, dry place, away from acids and water. Transport as a general non-hazardous chemical.

Disclaimer: While the descriptions, data, and information related to product specifications in this report are accurate information provided in good faith by our company, they are for reference purposes only. Due to the influence of many factors on product test results and applications, we recommend testing the product and determining its suitability for the intended application before actual use. Additionally, we do not make any absolute guarantees regarding reports, product specifications, descriptions, data, information, and product applications.