

Technical Data Sheet

Glutaraldehyde CAS No. 111-30-8

Synonyms: 1,5-Pentanedial; GDA



Recently, certain companies have mixed formaldehyde (low price) into glutaraldehyde (high price). such irresponsible behavior has disordered the market. As a leading supplier in this line, We guarantee that all our glutaraldehyde products are free of formaldehyde.

Product Description

- Glutaraldehyde is **colorless** or **yellowish clear** and bright liquid with slight irritating smell, and can be dissolved in organic solvent such as water, ether and ethanol.
- In water solution, Glutaraldehyde doesn't exist much in free state; instead, Glutaraldehyde makes appearance as hydrates with different forms, and most of them are hydrates with annular structure.
- Glutaraldehyde is reactive in property, and liable to polymerize and oxidize, which will react with compounds containing active oxygen and nitrogen. The reaction of the product with protein is mainly carried out between the carbonyl group of the former and the amino group of the latter. Among the known aldehydes, the product is one of the best cross-linking agents for proteins.
- Glutaraldehyde has a small influence on the activity of enzyme, and most of enzymes can be fixed under controlled condition, to cross-link without losing their activity. Contributing to its outstanding characteristics, the product has drawn special concern from people and been put at broad application.



Specification:

Glutaraldehyde 50% Specification:

Items	Specification
Appearance	Colorless or yellowish transparent liquid
Assay	50% min
Ph value	3-5
Color	80 max

Glutaraldehyde 25% Specification:

Items	Specification
Appearance	Colorless or yellowish transparent liquid
Assay	25% min
Ph value	3-5

Usage

As bactericide, disinfectant, cross-linker for protein, leather tanning agent ---- widely used in petroleum exploitation, leather treatment, and electronic industry.

Packing and Storage

- Packed in plastic drums of 220kgs net each, total 80drums/17.6Mt in a 20'FCL
- Packed in IBC tanks of 1100kgs net each, total 18tanks/19.8Mt in a 20'FCL
- Glutaraldehyde 50% has a shelf life of 12 months in unopened, original containers and kept below 25°C. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation and keep under inert gas. Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

Transport Information

DOT Classification: CLASS 8.0

Identification: : Toxic Liquid, Organic, n.o.s (Glutaraldehyde solution) UNNA: 3265 PG: III

Special Provisions for Transport: N/A.

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