



Specialized in chemicals

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Technical Data Sheet

Glutaraldehyde

Product Information

Product Name	Glutaraldehyde
Synonyms	Pentanedial;Glutaric dialdehyde
CAS No.	111-30-8
EINECS No.	203-856-5
Molecular formula	C5H8O2
Molecular weight	100.12
Chemical structure	



Physical Properties

Appearance	Colorless to light yellow oily transparent liquid
Density	0.947 g/cm ³
Melting Point	-5°C
Boiling Point	189°C
Flashing Point	66°C
Solubility in water	miscible
Refractive index	1.373
Vapour pressure	0.583mmHg at 25°C
Solubility	Easily soluble in cold water. Soluble in diethyl ether. Soluble in benzene, ethanol and other organic solvents.

Specification

1)25% Industrial Grade

<u>Items</u>	<u>Specification</u>
Appearance	Colorless oily transparent liquid
Assay	≥25%
PH Value	3.0 ~ 5.0
Color	≤100
Specific Gravity	1.08 ~ 1.126

2) 50% Industrial Grade

<u>Items</u>	<u>Specification</u>
Appearance	Light yellow oily transparent liquid
Assay	≥50%
PH Value	3.0 ~ 5.0
Color	≤80
Methanol	≤5.0%

Safety

DOT Classification: CLASS 8: Poisonous material.

Identification: : Toxic Liquid, Organic, n.o.s (Glutaraldehyde solution) UN 2922 8 /PG 2

Special Provisions for Transport: Not available.

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1) Glutaraldehyde is used for industrial water treatment and as a preservative.
- 2) Glutaraldehyde is mainly available as an aqueous solution, and in these solutions the aldehyde groups are hydrated.
- 3) Glutaraldehyde is used for organic synthesis and can be used for polymerization and copolymerization of polyvinyl ether production, used in coatings, additives, plasticizer, etc.

Packaging

- 1) 220kg per drum, packed in blue plastic drum;
Total 17.6 MT per 20ft container on pallets or without pallets
- 2) 1100kg per IBC drum;
Total 19.8 MT per 20ft container without pallets

Storage & Handling

Keep away from the oxidant. Store in a cool, dry place. Keep containers tightly closed.
Or argon filling seal to avoid light preservation under 0 °C.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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