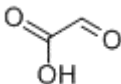


Technical Data Sheet

Basic information

Chemical name	Glyoxylic Acid	Formula	C ₂ H ₂ O ₃
Synonyms	2-Oxoacetic acid; Oxoethanoic acid;	Chemical structure	
CAS.No.	298-12-4		
EINECS No.	206-058-5		
Molecular weight	74.04		

Physical properties

Appearance	Colorless or light yellow liquid
Density, 20°C, g/cm ³	1.33
Boiling point, °C	111
Melting point, °C	-93
Flash point, °C	111
Refractive index	1.414
Solubility	dissolved with water, slightly soluble in ethanol, aether, insoluble in esters, aromatic solvents.

Specification

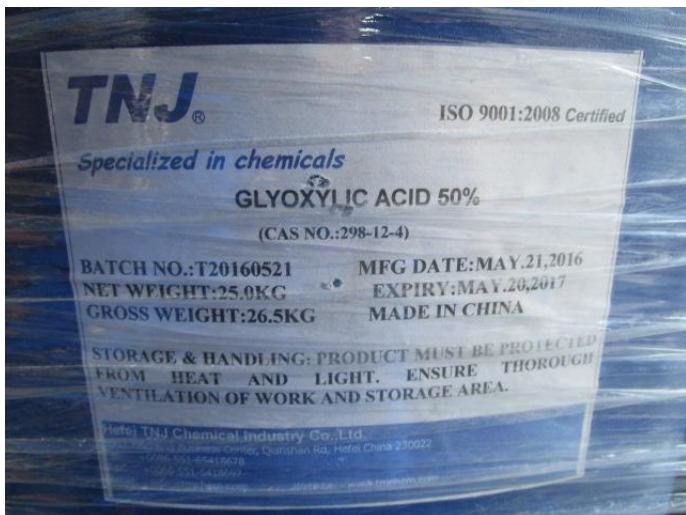
Items	40%	50% Normal Grade	50% Chelating Grade	50% Top Grade
Assay	40 ± 0.5%	50 ± 0.5%	50 ± 0.5%	50 ± 0.5%
Glyoxal	≤ 1%	≤ 1%	≤ 0.5%	≤ 0.25%
Oxalic Acid	≤ 1%	≤ 1%	≤ 0.5%	≤ 0.25%
Nitric acid	≤ 0.2%	≤ 0.2%	≤ 0.2%	≤ 0.2%

Application

Flavor field	Used as material for methyl vanillin, ethyl vanillin.
Cosmetic field	Mainly used in the production of Allantoin and also used for hair care, etc..
Medical field	Used as intermediate for atenolol, D-hydroxybenzeneglycin, broadspectrum antibiotic, amoxicillin (orally taken), acetophenone, amino acid etc.
Pesticides field	Used in the production of glyphosate, grass trent, dilute spirit, quetiapine phosphorus, quizalofop-ethyl, etc.
Other field	Used for the production of water purification agent phosphorus hydroxy carboxylic acid, as the polymer crosslinking agent, electroplating additives, and efficient fertilizer elements.

Package

- 25kg per plastic drum, 20mt per 20'ft;
- 250kg per plastic drum, 20mt per 20'ft;
- 1250kg per IBC drum, 20mt per 20'ft;



Safety on transportation

It belongs to corrosive dangerous goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

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

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

Issue Date: 1st,12,2016