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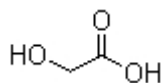
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Technical Data Sheet

Glycolic acid

Product Information

Chemical Name	Glycolic acid
CAS #	79-14-1
Formula	C ₂ H ₄ O ₃
Molecular Weight	76.05
Synonyms	Hydroxyacetic acid
Chemical Structure	



Description

Glycolic acid crystal is colorless and deliquescent powder, flammable, It is miscible with water, alcohols, ethyl ether, acetic acid;

Glycolic acid 70% solution is light yellow to colorless liquid, has a similar smell of burning sugar, freezing point is 10°C;

Physical Properties

Melting point, °C .	80
Boiling range, °C	100
Density @ 20°C, g/cm ³	1.49
Flash point, °C	300

Specification

Item	70% solution	Crystal	Crystal
Assay, % min.	70	99.0	99.5
Total acid, % max.	70-72		
Free acid, % max.	62		
Residue on ignition, % max.	0.3	0.05	0.05
Turbidity, % max.	0.01	0.01	0.005
Color, Gardner	5	5	5
Chloride ion, ppm max	0.001	0.0005	0.0005

Sulphate,ppm max.	0.05	0.005	0.005
Iron, ppm max.	0.001	0.0005	0.0005
Heavy metal,ppm max		0.001	0.0005
Arsenic,ppm max		0.0002	0.0001

Safety

Glycolic acid is a dangerous cargo on transportation, class 8, with corrosion properties.
Always refer to the Material Safety Data Sheet (MSDS)

Applications

Crystal glycolic acid is a good raw material of cosmetics, also used as organic synthesis;
70% liquid glycolic acid is widely used in household, industrial and electronics cleaning applications;
automotive oil additives, oil and water-flow enhancers, PH control products, and chemical intermediates. can
be used in/with:

- metalworking
- electro-plating
- electropolishing
- tanning
- spinning
- dye printing

Packaging

Crystal form- 20kg per fiber drum
13mt-14mt per 20'container
70%solution form- 250kg per plastic or iron drum.
16mt per 20ft container

Storage & Handling

It is stable stored at temperature above 10°C(50°F). The storage should be kept warm to maintain temperatures above 10°C(50°F) to prevent precipitation of glycolic acid crystals.

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.

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