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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 5418695

Fax: (0086) 551 5418697

Email: info@tnjchem.com

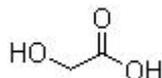
Site: www.tnjchem.com

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

Physical Properties

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

Specification

Appearance	White crystalline powder
Assay	≥99.00%
Sulphate	≤100ppm
Heavy metal	≤10ppm
Chloride ion	≤20ppm

Fe ≤10ppm

Safety

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

Applications

- 1) Glycolic acid (or hydroxyacetic acid) is the smallest α -hydroxy acid (AHA). This colorless, odorless, and hygroscopic crystalline solid is highly soluble in water. It is used in various skin-care products.
- 2) Glycolic acid is used to improve the skin's appearance and texture. It may reduce wrinkles, acne scarring, hyperpigmentation and improve many other skin conditions, including actinic keratosis, hyperkeratosis, and seborrheic keratosis.
- 3) Glycolic acid is used in the textile industry as a dyeing and tanning agent, in food processing as a flavoring agent and as a preservative, and in the pharmaceutical industry as a skin care agent.
- 4) Glycolic acid is also a useful intermediate for organic synthesis, in a range of reactions including: oxidation-reduction, esterification and long chain polymerization. It is used as a monomer in the preparation of polyglycolic acid and other biocompatible copolymers.

Packaging

25kg per fiber drum; total 16MT per 20ft container with pallets
25kg per carton; total 20MT per 20ft container with pallets

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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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418695
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