



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

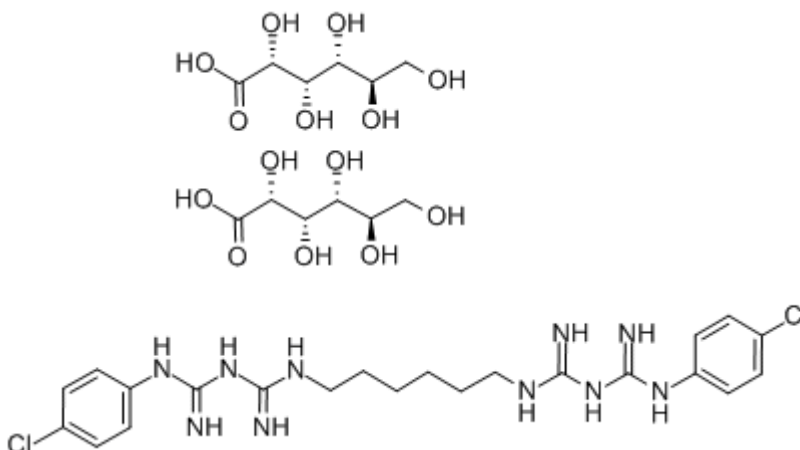
Site: www.tnjchem.com

Technical Data Sheet

Chlorhexidine digluconate

Product Information

Chemical Name	Chlorhexidine digluconate
CAS #	18472-51-0
Formula	C ₃₄ H ₅₄ Cl ₂ N ₁₀ O ₁₄
Molecular Weight	897.76
Chemical Structure	



Description

Almost transparent colorless or pale yellow slightly sticky liquid. Odourless or almost odourless. This product can miscibility with water and dissolve in ethanol or acetone. For external use hands, skin disinfection, washing wound.

Physical Properties

density.	1.06 g/mL at 25 °C(lit.)
Storage conditions	2-8°C

Specification

Item	Pharma grade
Appearance	An almost colorless or pale- yellowish liquid
IR Spectrum	To match with Reference Standard
BY TLC	To match with Reference Standard
Chlorhexidine Mp	Chlorhexidine Mp132°C~136°C
Bromine R Test	Positive reaction
Relative density	Between 1.06 to 1.07
pH(5%)	Between 5.5 to 7.0
Chloroaniline	Maximum 0.25%
Related substances(Examine by HPLC)	To match with Reference Standard
Assay	Chlorhexidine gluconate solution contains not less than 190g/l and not more than 210g/l of 1, 1'-(hexane-1,6-diy)bis[5-(4-chlorophenyl)-biguanide]di-G-gluconate.

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Application

Disinfection antiseptics drugs, with quite a strong broad-spectrum antimicrobial, bactericidal effect, to gram-positive bacteria and gram-negative bacteria are effective. For external use hands, skin disinfection, washing wound.

Packaging

25kg per Plastic bucket.,200kg per Plastic bucket.
16mt per 20ft container

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.
Avoid ingestion and inhalation.

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.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 65418678
Fax: (0086) 551 65418697
Email: info@tnjchem.com
Site: www.tnjchem.com