



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B910-911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

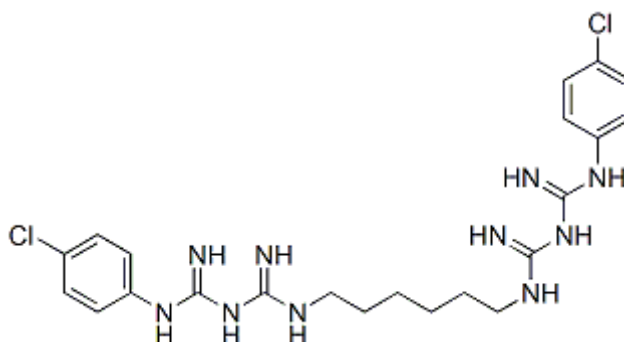
Site: www.tnjchem.com

Technical Data Sheet

Chlorhexidine acetate

Product Information

| | |
|--------------------|--|
| Chemical Name | Chlorhexidine acetate |
| CAS # | 56-95-1 |
| Formula | C ₂₆ H ₃₈ Cl ₂ N ₁₀ O ₄ |
| Molecular Weight | 625.55 |
| Chemical Structure | |



Description

Chlorhexidine acetate is cationic surfactant, wide antimicrobial spectrum, for most gram-positive and negative bacteria killing effect, is also effective to pseudomonas aeruginosa. Used in hand before surgery, skin, plane surface and instruments disinfection.

Physical Properties

| | |
|---------------------|-----------------------------------|
| Melting point, °C . | 153-156°C |
| Water solubility | 1.9 g/100 mL (20 °C) |
| solubility | H ₂ O: 15 mg/mL, clear |

Specification

| Item | Specification |
|--------------------------|--|
| Appearance | A white or almost white, microcrystalline powder |
| Infrared Absorption | Infrared absorption spectrophotometry confirm |
| Residue on ignition | NMT 0.15% |
| Organic Impurities | NMT 3.0% |
| Limit of p-chloroaniline | NMT 500ppm |

Loss on drying

NMT 3.5%

Assay

Chlorhexidine Acetate contains not less than 98.0 percent and not more than 102.0 percent of C₂₂H₃₀Cl₂N₁₀·2C₂H₄O₂, calculated on the dried basis.

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1, Wash hands before disinfection
- 2, The surgical field, its effect is similar to tincture of iodine.
- 3, Skin or wound disinfection, or wash the wound.
- 4, Surgical instruments disinfection. Soak disinfection storage devices.
- 5, The disinfection burn or scald.
- 6, Rooms, furniture and other disinfection.
- 7, For pharyngeal buccal inflammation and oral ulcer effectively

Packaging

25kg per fiber drum
7mt 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