

TC- DMDMH**INCI Name**

DMDM HYDANTOIN

Description

TC-DMDMH is a high-efficient and low-cost preservative with broad Spectrum Activity especially to mycetes, yeast, gram positive bacterium, gram negative bacterium. It's well compatible with anionic, cationic, nonionic surfactants, keeping biological activity in presence of protein and surfactant. It's sold as the form of liquid, easy to use, thus widely used in all kinds of formulations.

Specification

| Parameter | Value |
|----------------------|------------------------|
| Appearance | Colorless clear liquid |
| pH value (25 °C) | 6.5-7.5 |
| Odor | Characteristic |
| Color (APHA) | ≤10 |
| Purity (%) | 55.0±1.0 |
| Water content | 44.0±2.0 |
| Nitrogen content (%) | 8.19±0.15 |
| Total aldehyde(%) | 18.0±1.0 |

These values indicate typical specifications, they are not intended to be used as product specifications.

Properties

- Excellent inactivation of coli and staphylococcus aureus
- Don't cause irritation to skin and eyes, no hypersensitiveness, sunlight hypersensitiveness, aberration and mutagenic effect under recommended usage level.

- High stability. Free aldehyde and total aldehyde won't change at 18°C, 25°C, 50°C after a year. Maintain activity at 80°C for 6 hours.
- High water-solubility. Easy to use in aqua and cream product.
- Can be used in pH 3.0-8.0

Applications

Hair care, skin care and cleansing products

Make-up products

Personal care ingredients

Formula Guidelines

Typically used at a level of 0.15~0.4%.

Micro-organisms challenge test is necessary before use.

Add in the water or emulsion phase below 50 °C. If used at high temperature, operation must be done in obturator.

Storage & Handling**Standard Packing:** 25kg/drum or 200kg/drum**Storage:** Above 25°C**GUANGZHOU TINCI MATERIALS TECHNOLOGY CO., LTD.**

Kangda Road No.8, Yunpu Industrial Zone,

Huangpu Region, Guangzhou

TEL: 86-20-82251159 FAX: 86-20-82250169

WEBSITE: www.tinci.com