

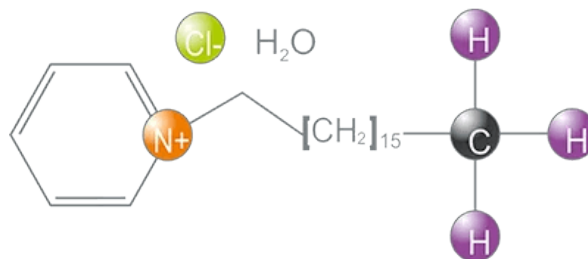
CETYLPYRIDINIUM CHLORIDE (SLS-CPC)



www.cpc.suyoginc.com

SPECIFICATION

Appearance :	White Powder
Assay :	99.0% to 102.0%
Melting Range :	80°C to 84°C
pH :	5.0 to 7.0
Solubility :	Clear Solution
Water Content :	4.5% to 5.5%
Shelf Life :	5 Years



GENERAL INFORMATION

Chemical Name :	1-Hexadecylpyridinium chloride monohydrate
Molecular Formula :	$C_{21}H_{38}ClN \cdot H_2O$
CAS Registry Number :	6004-24-6
EC Number :	204-593-9

- ✔ A cationic quaternary ammonium compound with antiseptic & disinfectant properties.
- ✔ Safe & cost-effective multifunctional antimicrobial with broad spectrum efficacy against gram-positive & gram-negative bacteria and fungi at very low dosage rates.
- ✔ Easy to handle, biodegradable, odourless, soluble, stable, formaldehyde free, non-corrosive, non-VOC, non-oxidizing compound with neutral pH.
- ✔ Sustainable oral care ingredient which is effective in preventing dental plaque & reducing gingivitis.
- ✔ Approved as safe & efficacious by US FDA Plaque Subcommittee & SCIENTIFIC COMMITTEE ON CONSUMER SAFETY (SCCS).
- ✔ SLS-CPC is an excellent replacement for formaldehyde-donors, parabens, triclosan, triclocarban, benzethonium chloride, benzalkonium chloride etc.
- ✔ SLS-CPC is evaluated for its effectiveness in removing or killing gram-negative bacteria like salmonella & campylobacter from poultry carcasses.
- ✔ Suyog offers SLS-CPC in BP 2021, EP (Ph. Eur.) 10.0, JP XVII & USP 43-NF 38 grades with ready stocks.
- ✔ Suyog manufactures SLS-CPC under ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, FDA-GMP, FDA-GLP, Halal and Kosher conditions.
- ✔ With proven quality excellence, SLS-CPC is approved & accepted by customers worldwide.

A SAFE & COST EFFECTIVE INGREDIENT

APPLICATIONS

- ✓ All-purpose cleaner
- ✓ Antimicrobial solutions
- ✓ Antiperspirants deodorant
- ✓ Anticorrosive agent
- ✓ Antiseptic creams
- ✓ Antiseptic sprays
- ✓ Antiseptic towels
- ✓ Baby wipes
- ✓ Bactericide
- ✓ Bar soaps
- ✓ Bleaching products
- ✓ Breathe fresheners
- ✓ Cationic detergent
- ✓ Cationic surfactant
- ✓ Conditioner
- ✓ Cosmetics products
- ✓ Cough syrups
- ✓ Disinfectant
- ✓ Fabric softener
- ✓ Facial wipes
- ✓ Glove donning
- ✓ Hair colour
- ✓ Hair conditioners
- ✓ Hair relaxer
- ✓ Hair shampoo
- ✓ Hair spray
- ✓ Hand sanitizer
- ✓ Home care products
- ✓ Laundry detergent
- ✓ Leave-in conditioner
- ✓ Liquid hand soaps
- ✓ Lotions
- ✓ Mouthwash
- ✓ Nasal sprays
- ✓ Oral care
- ✓ Oral pain relief
- ✓ OTC formulations
- ✓ Personal cleansing
- ✓ Pesticides
- ✓ Poultry industries
- ✓ Preservatives
- ✓ Surgical gloves
- ✓ Teeth whitening
- ✓ Throat lozenges
- ✓ Toiletries
- ✓ Toothpaste
- ✓ Water treatment solution
- ✓ Wound treatment solution

PACKAGING

- ✓ 25Kg UN Approved HDPE Drum

COMPOSITION

These suggestions are intended to demonstrate the safety of the ingredient for use as preservative in various categories of cosmetic products. Cetylpyridinium chloride is safe for consumers, when used as ingredient in the following specified concentrations:

- ✓ Mouthwashes cosmetic products up to a concentration of 0.1 %
- ✓ All other oral hygiene cosmetic products up to a concentration of 0.5 %
- ✓ Skin lotions and creams up to a concentration of 0.2 %
- ✓ Anti-perspirant deodorants up to a concentration of 2.0 %
- ✓ Alcohol based hand-rub or sanitizer up to a concentration of 0.5 %
- ✓ Water based disinfectant up to a concentration of 0.6 %
- ✓ For wet wipes up to a concentration of 0.2 %



Suyog Life Sciences Pvt. Ltd.

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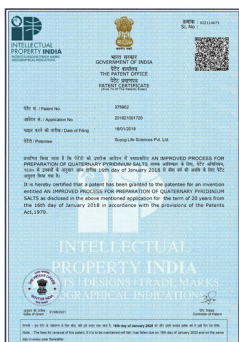
CETYLPIRIDINIUM CHLORIDE (CPC)

- ✔ Cetylpyridinium Chloride (CPC) is recommended by the World Health Organization in the fight against **COVID-19**. Water, sanitation, hygiene and waste management for the COVID-19 virus; Technical briefing 03/03/20.



- ✔ Suyog Life Sciences manufacture Cetylpyridinium Chloride (CPC) using **sustainable chemistry**, which reduces generation of hazardous waste thus preventing environmental pollution.

- ✔ Cetylpyridinium Chloride (CPC) can easily replace **Triclosan**, which is already banned in many applications by various regulatory agencies.



- ✔ Suyog Life Sciences Pvt. Ltd. has been **granted process patent** for 20 years for Cetylpyridinium Chloride (CPC). Our patent number is 375902.

- ✔ Suyog Life Sciences has successfully submitted the Certificate of Suitability (CEP) dossier to European Directorate for the Quality of Medicines (EDQM) for Cetylpyridinium Chloride (CPC), which is under approval. The EDQM is the Directorate of the Council of Europe tasked with supporting public health protection. The quality standards for safe medicines sets with its European Pharmacopoeia are recognised as a scientific benchmark world-wide and are legally binding in member states across Europe. **CEP No.: 2021-128.**



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