



TECHNICAL DATA SHEET

ALGCare - CHG

(Chlorhexidine Gluconate Solution)

The effective and mild antimicrobial.

Especially suited for use in preoperative scrubs, wound disinfection and wound protectants.

Large body of literature existing to attest Chlorhexidine Gluconate's low toxicity. Clinical studies have shown low irritancy and low allergic reactions in humans.

CAS No.	MOLECULAR WEIGHT	MOLECULAR FORMULA	MANUFACTURER
18472-51-0	898 g/mol	$C_{22}H_{30}Cl_2N_{10}.2C_6H_{12}O_7$	ALG CHEMICALS

CHARACTERISTICS:	Almost colorless or pale yellow, clear liquid
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Sr.No.	Tests	Specification
1	Appearance	Almost colourless or pale yellowish liquid.
2	Solubility	Miscible with water, with not more than 3 parts of acetone and with not more than 5 parts of ethanol
3	Identification	First Identification A, B Second Identification B,C,D A. IR test. B. TLC Test C. Residue melts at 132 ⁰ C to 136 ⁰ C D. Deep red colour Produced.
4	Relative Density	1.06 to 1.07
5	pH	5.5 to 7.0 is determine 5% v/v with carbon dioxide free water.
6	Impurity P (Chloroaniline)	Maximum 500 ppm
7	Related substance Impurity A Impurity B Impurity F Impurity G Impurity H Impurity I+O	NMT 0.4 % NMT 0.2 % NMT 0.2 % NMT 0.3 % NMT 0.5 % NMT 0.4 %





ALG Chemicals

Chemistry for Hygiene & Healthy Life

Impurity J	NMT 0.4 %
Impurity K	NMT 0.4 %
Impurity L	NMT 0.2 %
Impurity N	NMT 1.0 %
Impurity Q	NMT 0.2 %
Unspecified Impurities	NMT 0.10%
Total Impurities	NMT 3.0 %

PACKAGING:	25kg, 200 kg HDPE Drums 1000 kg IBC Containers Other sizes available upon request.
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SHELF LIFE	3 years from date of manufacture
STORAGE CONDITIONS	Preserve in tight containers protected from light, at controlled room temperature.

TRANSPORT REGULATIONS:	Classified as hazardous substance according to transport regulations (class 9 ,UN 3082)
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APPLICATION :	<ul style="list-style-type: none">a) Preservative for cosmetics:<ul style="list-style-type: none">Hair shampooHair colorHair conditionerWet wipesb) Hospital Application:<ul style="list-style-type: none">Preoperative ScrubsWound DisinfectantsWound ProtectantsDisinfecting ointments in obstetricsSolution for bladder irrigationcatheter lubricationc) OTC Application<ul style="list-style-type: none">ToothpasteGargle solutionsThroat spraysLozenges for treating mouth and throat infectionsd) Veterinary Applications<ul style="list-style-type: none">Teat Dip formulations
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