



# ALG Chemicals

Chemistry for Hygiene & Healthy Life

## TECHNICAL DATA SHEET

### ALGCare - CHH

(Chlorhexidine (Di) Hydrochloride )

CAS No.	MOLECULAR WEIGHT	MOLECULAR FORMULA	MANUFACTURER
3697-42-5	578.4 g/mol	$C_{22}H_{30}Cl_2N_{10} \cdot 2HCl$	ALG CHEMICALS

<b>CHARACTERISTICS:</b>	White or almost white crystalline powder
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Sr. No.	Tests	Specification
1	Appearance	A white or almost white crystalline powder.
2	Solubility	Very slightly soluble in water , slightly soluble in propylene glycol, very slightly soluble in ethanol (96 %)
3	Identification	Tests A,C or B,C Positive.
4	Chloroaniline (Impurity P)	Maximum 300 PPM
5	Related substances	Total Impurity NMT 1.0 %
	Impurity H	NMT 0.5%
	Impurity K	NMT 0.4%
	Impurities I+O	NMT 0.4%
	Impurity A	NMT 0.15%
	Impurity N	NMT 0.15%
6	Unspecified impurities	NMT 0.10%
	Loss on drying	Maximum 1.0%, determined on 1g by drying in an oven at 105°C
7	Sulphated ash	Maximum 0.1%, determined on 1g.
8	Assay (On dried basis)	Chlorhexidine Hydrochloride contains not less than 98.0% and not more than the equivalent of 101.0% of $C_{22} H_{30} Cl_2 N_{10}, 2 HCl$

<b>PACKAGING:</b>	25 kg HDPE Drums Other sizes available upon request.
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E-13 MIDC, Mahad Dist: Raigad, Maharashtra-402301, India



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<b>SHELF LIFE</b>	3 years from date of manufacturing
<b>STORAGE CONDITIONS</b>	Stores at controlled room temperature ( 25-30 ° C) Keep the packing tightly closed Keep the packing away from direct sunlight.
<b>TRANSPORT REGULATIONS:</b>	Classified as hazardous substance according to transport regulations ( class 9 ,UN 3077)
<b>APPLICATION:</b>	a) Preservative for cosmetics: Hair shampoo Hair color Hair conditioner b) OTC Application Oral Rinse for Treating Sore gums & Ulcers c) Antiseptic Skin care Applications



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