

	EAST COAST ORGANICS PRIVATE LIMITED 237/2, Vellivoyal Chavadi, Chennai – 600 103 Tamilnadu, India, Phone: 044-64606747	DOC No ECO/QC/TDS/008
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Benzalkonium chloride 50 % w/v		Effective date : 10.01.2020

Name of the Drug	:	Benzalkonium chloride 50 % w/v
CAS No	:	8001-54-5
Molecular formula	:	C ₆ H ₅ (CH ₃) ₂ RNCl

Product Specification		
S.No	Test	Specification
1	Description	A Clear solution free from visible extraneous matter
2	pH	6.00 -8.00
3	Benzalkonium Chloride Content (%w/w)	49.0% w/v – 51.0% w/v
4	Relative Density	0.9600 – 0.9700 g/cc

Product Information	
Solubility	Soluble in Alcohols; miscible with water
Classification	Biocide
Application area	Use as biocide in water treatment, Boiler water application, Sugar industries etc.
Toxicity data	Slightly irritating to skin and eyes. Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment. Emit toxic fumes under fire conditions. During vulcanization process, traces of carcinogenic nitrosamines may be formed. Oral LD 50/Rat: 5150 mg/Kg.
Handlind and Personal Protection	Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.
Storage	Keep away from oxidizing agents, strong acids, alkalis. Store in a dry and cool place. Keep container tightly closed.
Packaging	
HDPE Barrel / Carbouy	50 Kg , 200 Kg.
Shelf Life	12 Months