

QUATERNARY AMMONIUM/PHOSPHONIUM COMPOUNDS (QUATS)

Sr. No.	Abbreviation	Product Name	CAS No.	Application Examples
01	ALGENE N40	Algene N-40 (Dcp1062)	1119-97-7	Disinfectant
02	Barquat LB-50	Benzalkonium chloride (BKC C ₁₂) 50% solution (Lauryl dimethyl benzyl ammonium chloride solution 50%)	139-07-1	Antimicrobial agent
03	Barquat MS-100	Benzalkonium chloride (BKC C ₁₄ + C ₁₂) Powder	85409-22-9	Antimicrobial agent
04	BKC C ₁₂ powder	Lauryl dimethyl benzyl ammonium chloride	147228-80-6	Antimicrobial agent
05	BKC C ₁₄	Benzyl dimethyl tetradecyl- ammonium Chloride Solid	139-08-2	Antimicrobial agent
06	BKC C ₁₆	Benzyl dimethyl hexadecyl-ammonium Chloride Solid	122-18-9	Antimicrobial agent
07	BKC Solution 50% (SDS)	Benzalkonium Chloride Solution 50% (SDS)	8001-54-5	Antimicrobial agent
08	BTBAB	Benzyl tributyl ammonium Bromide Solid	25316-59-0	Pharmaceutical Intermediate, PTC
09	BTBAC	Benzyl tributyl ammonium Chloride Solid	23616-79-7	Pharmaceutical Intermediate, PTC
10	BTC & BTC Solution 50%	Benzethonium chloride Solid & 50% solution	121-54-0	Antimicrobial agent

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11	BTEAC & BTEAC 50%	Benzyl triethyl ammonium Chloride Solid & in 50% H2O Solution	56-37-1	Antistatic Agent,
12	BTMAC	Benzyl trimethyl ammonium Chloride Solid	56-93-9	Pharmaceutical Intermediate, PTC
13	BTMADCI	Benzyl trimethyl ammonium Dichloro iodide Solid	114971-52-7	Disinfectants, Oxidizing Agent
14	BTMAOH 40%	Benzyl trimethyl ammonium hydroxide (40% Solution in Methanol)	100-85-6	Phase-transfer reagent
15	BuTPPB	Butyl triphenyl phosphonium Bromide Solid	1779-51-7	Curing Agent Pharmaceutical Intermediate
16	BuTPPC	Butyl triphenyl phosphonium Chloride Solid	13371-17-0	Curing Agent Pharmaceutical Intermediate
17	BZTPPC	Benzyl triphenyl phosphonium Chloride Solid	1100-88-5	Pharmaceutical Intermediate, Curing & Vulcanizing Agent.
18	CDMEABr	Cetyl dimethyl ethyl ammonium bromide	124-03-8	Antimicrobial agent
19	CTAB	Cetyl trimethyl ammonium Bromide Solid	57-09-0	Antimicrobial agent
20	CTAC & CTAC 30% & 50%	Cetyl trimethyl ammonium Chloride Solid and 30% & 50% solution in H2O	112-02-7	Antimicrobial agent

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21	CETATS	Cetyl Trimethyl Ammonium-P-Toluene Sulfonate	138-32-9	Pharmaceutical Intermediate
22	DTMAB	Dodecyl trimethyl ammonium Bromide Solid	1119-94-4	Cationic Surfactant, Pharmaceutical Intermediate, PTC
23	DTMAC	Dodecyl trimethyl ammonium Chloride Solid	112-00-5	Cosmetics (Hand Sanitizers), Pharmaceutical Intermediate
24	ETMACI	Ethyl trimethyl ammonium chloride	27697-51-4	Antimicrobial agent
25	ETPPA	Ethyl triphenyl phosphonium acetate 70% in Methanol	35835-94-0	Phase-transfer catalyst; epoxy / phenolic resin curing & accelerator
26	ETPPB	Ethyl triphenyl phosphonium Bromide	1530-32-1	Coatings, Pharmaceutical Intermediate, Polymers & Plastics, PTC
27	ETPPI	Ethyl triphenyl phosphonium iodide	4736-60-1	Phase transfer catalyst
28	MES	Mecetronium Ethosulphate	3006-10-8	Disinfectant
29	MOMTPPCI	Methoxy methyl triphenyl phosphonium chloride	4009-98-7	Chemical reagent
30	MTBAC75%	Methyl tributyl ammonium Chloride in 75% H2O Solution	56375-79-2	Fungicides, Pharmaceutical Intermediate, PTC

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31	MTEAC	Methyl triethyl ammonium Chloride Solid	10052-47-8	Agrochemicals, Dyes, Pharmaceutical Intermediate
32	MTOACI, MTOAC Liquid & MTOACI 50% in Toluene	Methyl Tri-octyl Ammonium Chloride (Water < 1.0%, Assay > 97.0%) & Liquid (Water < 5 %, Assay > 90 %) and 50% solution in Toluene	5137-55-3	PTC; metal / solvent - extraction agent; separation (HPLC/ion-pair), as cationic surfactant, Use in pharmaceutical manufacturing.
33	MTPPB	Methyl triphenyl phosphonium Bromide Solid	1779-49-3	Methylating Agent, Pharmaceutical Intermediate, Wittig Reagents
34	MyTAB	Myristyl trimethyl ammonium bromide	1119-97-7	Surfactant & conditioning agent
35	MyTAC	Myristyl trimethyl ammonium Chloride Solid	4574-04-3	Antistatic Agent, Cationic Surfactant, Cosmetics, Pharmaceutical Intermediate
36	PTMAB	Phenyl trimethyl ammonium bromide	16056-11-4	Phase transfer catalyst
37	PTMAC	Phenyl trimethyl ammonium Chloride Solid	138-24-9	Agrochemicals, Dyes, Methylating Agent, Pharmaceutical Intermediate
38	Strong Cetrimide 40% solution	Strong Cetrimide 40% solution with composition alkyl chain ration C12:C14; 20:80)	1119-97-7	Antistatic
39	TBAA	Tetra Butyl ammonium acetate	10534-59-5	Phase Transfer Catalyst
40	TBAB & TBAB 50 %	Tetrabutyl ammonium Bromide Solid & in 50% Solution	1643-19-2	Antimicrobials, Antistatic Agents, Insecticides, Pharmaceutical Intermediate, PTC

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41	TBACl 50 %	Tetra butyl ammonium chloride 50% solution	1112-67-0	Phase-transfer reagent; general synthetic reagent.
42	TBAF 1M THF	Tetrabutyl ammonium fluoride 1M solution in THF	429-41-4	Phase transfer catalyst and deprotection reagent
43	TBAF 3H ₂ O	Tetrabutyl ammonium Fluoride Trihydrate Solid	87749-50-6	Dehydrobromination reagent, Preparation of Cellulose Derivatives & Lipophilic Peptides, Surfactants
44	TBAHS	Tetrabutyl ammonium Hydrogen Sulphate Solid	32503-27-8	Agrochemicals, Coatings, Pharmaceutical Intermediate, PTC
45	TBAI	Tetrabutyl ammonium Iodide Solid	311-28-4	Catalytic Agent, Petrochemical Additive, Pharmaceutical Intermediate.
46	TBANO ₃	Tetra Butyl Ammonium Nitrate	1941-27-1	Use as Phase Transfer Catalyst; Fertilizer in Agrochemicals
47	TBAOH 40%	Tetra butyl ammonium hydroxide solution 40%	2052-49-5	Preparation of Fatty Acid Salts, Pharmaceutical Intermediate, PTC
48	TBAF ₆ PO	Tetrabutyl ammonium Hexafluoro Phosphate Solid	3109-63-5	Conductive Agent, Ion-Pairing Reagent, Pharmaceutical Intermediate, PTC
49	TBATFB	Tetrabutyl ammonium Tetrafluoroborate Solid	429-42-5	Electrolytes, Etching Agent, Pharmaceutical Intermediate
50	TEAB	Tetraethyl ammonium Bromide Solid	71-91-0	Phase Transfer Catalyst; Ion-Pairing Reagent; Used in Pesticide Synthesis

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51	TEAOH (35% solution)	Tetra Ethyl Ammonium Hydroxide 35% solution	77-98-5	Phase-transfer catalyst; etching / cleaning agent; template/structure directing agent, Surfactant
52	TEATFB	Tetra Ethyl Ammonium Tetra Fluoroborate	429-06-1	Phase Transfer Catalyst; Electrolyte Additive in Capillary Electrophoresis
53	TMAB	Tetra Methyl ammonium bromide	64-20-0	antimicrobial agent; antistatic agent; phase transfer catalyst
54	TMAC & TMAC 50 %	Tetramethyl ammonium Chloride Solid & 50% solution in H2O	75-57-0	Hydrofracking Agent, Pharmaceutical Intermediate, PTC
55	TOAB	Tetra octyl ammonium Bromide Solid	14866-33-2	Agrochemicals, Dyes, Pharmaceutical Intermediate, PTC
56	TPAB	Tetra Propyl ammonium Bromide	1941-30-6	phase-transfer catalyst, essential in petroleum refining

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