

QUATERNARY AMMONIUM COMPOUNDS (QUATS)

Abbreviation	Product Name	CAS No.	Application Examples
ALGENE N40	Algene N-40 (Dcp 1062)	1119-97-7	Disinfectant
BKC Soln 50% CP	Benzalkonium Chloride 50% Solution Cp	8001-54-5	Disinfectant, Preservative
BKCC14	Benzyl dimethyl tetradecyl-ammonium Chloride Solid	139-08-2	Algaecides, Analytical Chemistry, Epoxy Resins Preservative, Microbiocides
BKCC16	Benzyl dimethyl hexadecyl-ammonium Chloride Solid	122-18-9	Cationic Surfactants, Fungicide, Germicide, Mildew Preventative in Silicon-based Water Repellents, Leather Processing, Textile Dyeing
BTBAB	Benzyl tributyl ammonium Bromide Solid	25316-59-0	Analytical Chemistry, Curing Agent for Coatings & Resins, Polymers & Plastics, Pharmaceutical Intermediate, PTC, Water Treatment
BTBAC	Benzyl tributyl ammonium Chloride Solid	23616-79-7	Agrochemicals, Curing Agent for Coatings & Resins, Polymers & Plastics, Pharmaceutical Intermediate, PTC
BTEAC & BTEAC50%	Benzyl triethyl ammonium Chloride Solid & in 50% H2O Solution	56-37-1	Antistatic Agent, Coatings, Electronics, Flavours & Fragrances, Insecticides, Pharmaceutical Intermediate, Polymers & Plastics
BTMAC	Benzyl trimethyl ammonium Chloride Solid	56-39-9	Cellulose Solvent, Emulgator, Pharmaceutical intermediate, Polymerization Inhibitor, PTC
BTMADCI	Benzyl trimethyl ammonium Dichloriodide Solid	114971-52-7	Disinfectants, Mild & Safe Brominating and Oxidising Agent in Organic Synthesis, Pesticides, Pharmaceutical Intermediate
BuTPPB	Butyl triphenyl phosphonium Bromide Solid	1779-51-7	Curing Agent for Coatings & Resins, Electronics, Flame Retardants, Pesticides, Pharmaceutical Intermediate
BuTPPC	Butyl triphenyl phosphonium Chloride Solid	13371-17-0	Curing Agent for Coatings & Resins, Flavours & Fragrances, Pharmaceutical Intermediate, Vitamins, Polymers & Plastics
BZTPPC	Benzyl triphenyl phosphonium Chloride Solid	1100-88-5	BTPP Phenoxide Salts & Pharmaceutical Intermediate, Curing Agent for Coatings & Resins, Vulcanizing Agent in Fluorine Rubber
CTMAB	Cetyl trimethyl ammonium Bromide Solid	57-09-0	Antimicrobials, Antistatic Agent, Cosmetics, Emulsifying Agent, Pharmaceutical Intermediate, Preservatives, Polymers & Plastics, Surfactants
CTMAC	Cetyl trimethyl ammonium Chloride Solid	112-02-7	Antimicrobials, Antistatic, Conditioning & Emulsifying Agent, Preservatives, Surfactants, Topical Antiseptics
DTMAB	Dodecyl trimethyl ammonium Bromide Solid	1119-94-4	Cationic Surfactant in Miscellaneous Compositions, Pharmaceutical Intermediate, PTC
DTMAC	Dodecyl trimethyl ammonium Chloride Solid	112-00-5	Analytical Chemistry, Cosmetics (Hand Sanitisers), Pharmaceutical Intermediate
ETPPB	Ethyl triphenyl phosphonium Bromide Solid	1530-32-1	Coatings, Pharmaceutical Intermediate, Polymers & Plastics, PTC
MES	Mecetronium Ethosulfate	3006-10-8	Disinfectant

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MOMTPPC	(Methoxymethyl) triphenyl phosphonium Chloride Solid	4009-98-7	Catalytic Agent, Electronics, Petrochemical Additive, Pharmaceutical Intermediate, PTC, Vitamins
MTBAC75%	Methyl tributyl ammonium Chloride in 75% H ₂ O Solution	56375-79-2	Agrochemicals, Fungicides, Pharmaceutical Intermediate, PTC
MTEAC	Methyl triethyl ammonium Chloride Solid	10052-47-8	Agrochemicals, Chromatography, Dyes, Pharmaceutical Intermediate
MTOAC	Methyl trioctyl ammonium Chloride Liquid	5137-55-3	Flavours & Fragrances, Fluorination, Insecticides, Metals Extraction & Separation, Pharmaceutical Intermediate, PTC
MTPPB	Methyl triphenyl phosphonium Bromide Solid	1779-49-3	Methylating Agent, Pharmaceutical Intermediate, Wittig Reagents
MyTAC	Myristyl trimethyl ammonium Chloride Solid	4574-04-3	Antistatic Agent, Cationic Surfactant, Cosmetics, Pharmaceutical Intermediate
PTMAC	Phenyl trimethyl ammonium Chloride Solid	138-24-9	Agrochemicals, Dyes, Methylating Agent, Pharmaceutical Intermediate
TBA Acetate	Tetra Butyl Ammonium Acetate	10534-59-5	Tetra-n-butylammonium acetate is used as catalyst, curing agent, and initiator in the polymer industry. It is also used catalyst for the alkylation of carbonyl compounds with trimethylsilylacetylenes. It is also used as PE/PP clarifying agent, epoxy polymerization initiator, surfactants, emulsifiers, and antistatic agents.
TBAB & TBAB50%	Tetrabutyl ammonium Bromide Solid & in 50% H ₂ O Solution	1643-19-2	Antimicrobials, Antistatic Agents, Coatings, Cosmetics, Epoxy Resins, Fragrances & Flavours, Inks Production, Insecticides, Paints, Polymers & Plastics, Pharmaceutical Intermediate, PTC
TBANO ₃	Tetra Butyl Ammonium Nitrate	1941-27-1	Use as phase transfer catalyst
TBAF 1M Soln in THF	Tba Fluoride (1m Solution In Thf)	429-41-4	TbaTetra-n-butylammonium fluoride, 1M soln. in THF is used as a reactant for the preparation of triple monoamine reuptake inhibitors as a new generation of antidepressants, oligoribonucleotides with phosphonate-modified linkages, conjugated dienoic acid esters using Suzuki coupling reactions and polyacetylenic glucosides. It plays an important role in aryl alkyl alcohols through Nozaki-Hiyama allylation catalyzed by chiral bipyridyldiol ligands and chromium trichloride. It is also used as a catalyst for the silylation reactions. In addition, it is used as a source of fluoride ion in organic solvents as well as for the deprotection of silyl ether groups.
TBAF 3H ₂ O	Tetrabutyl ammonium Fluoride Trihydrate Solid	87749-50-6	Dehydrobromination Reactions, Preparation of Cellulose Derivatives, Surfactants, Synthesis of Lipophilic Peptides
TBAF6PO	Tetrabutyl ammonium Hexafluoro Phosphate Solid	3109-63-5	Conductive Agent, Ion-Pairing Reagent in Chromatography, Pharmaceutical Intermediate, PTC
TBAHS	Tetrabutyl ammonium Hydrogen Sulphate Solid	32503-27-8	Agrochemicals, Coatings, Pharmaceutical Intermediate, PTC

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TBAI	Tetrabutyl ammonium Iodide Solid	311-28-4	Catalytic Agent, Petrochemical Additive, Pharmaceutical Intermediate, Polarographic Analytical Reagent
TBATFB	Tetrabutyl ammonium Tetrafluoroborate Solid	429-42-5	Electrolytes, Etching Agent, Pharmaceutical Intermediate
TEAB	Tetraethyl ammonium Bromide Solid	71-91-0	Ion-Pairing Reagent in Chromatography, Pesticides, Pharmaceutical Intermediate, PTC, Surfactants
TMAC & TMAC50%	Tetramethyl ammonium Chloride Solid & in 50% H ₂ O Solution	75-57-0	Hydrofracking Agent, Pharmaceutical Intermediate, PTC, Viscosity Controlling Agent
TOAB	Tetraoctyl ammonium Bromide Solid	14866-33-2	Agrochemicals, Dyes, Pharmaceutical Intermediate, PTC

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