

QUATERNARY AMMONIUM COMPOUNDS (QUATS)

Abbreviation	Product Name	CAS No.	Application Examples
ALGENE N40	Algene N-40 (Dcp 1062)	1119-97-7	Disinfectant
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	56-93-9	Cellulose Solvent, Emulgator, Pharmaceutical intermediate, Polymerization Inhibitor, PTC
BTMADCI	Benzyl trimethyl ammonium Dichloroiodide 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
CTAC 30% & 50%	Cetyl Trimethyl ammonium chloride in 30% & 50% H2O solution	112-02-7	Cationic Surfactant used in the synthesis of Mesoporous Molecular Sieves & Micelle Complexes. Dispersant to prevent aggregation of nanoparticles. Conditioning Agent in Cosmetics & Surfactant in Construction industries.
CETATS	Cetyl Trimethyl Ammonium-P-Toluene Sulfonate	138-32-9	Development of a Silica Grafted Polydentate Copper (II) Complex. Carbon Nanotubes Analysis. Pharmaceutical Intermediate.
DTMAB	Dodecyl trimethyl ammonium Bromide Solid	1119-94-4	Cationic Surfactant in Miscellaneous Compositions, Pharmaceutical Intermediate, PTC

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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
MTBAC75%	Methyl tributyl ammonium Chloride in 75% H2O 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
TBAA	Tetra Butyl Ammonium Acetate	10534-59-5	Catalyst, Curing Agent & Initiator in the Polymer industry. A Catalyst for the Alkynylation of Carbonyl Compounds with Trimethylsilylacetylenes. PE/PP Clarifying Agent, Epoxy Polymerization Initiator, Surfactant, Emulsifier & Antistatic Agent.
TBAB & TBAB50%	Tetrabutyl ammonium Bromide Solid & in 50% Solution	1643-19-2	Antimicrobials, Antistatic Agents, Coatings, Cosmetics, Epoxy Resins, Fragrances & Flavours, Inks Production, Insecticides, Paints, Polymers & Plastics, Pharmaceutical Intermediate, PTC
TBANO3	Tetra Butyl Ammonium Nitrate	1941-27-1	Use as Phase Transfer Catalyst; Fertilizer in Agrochemicals

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TBAF 1M Soln in THF	Tetrabutyl ammonium fluoride 1M solution in THF	429-41-4	A Reagent for the deprotection of silyl and N-sulfonyl groups. In Fluorination reactions. Synthesis of 2-substituted indoles by cyclization reaction of various 2-ethynylanilines with terminal alkynes using Pd catalyst. As an activator in the synthesis of arylated or alkenylated alkynes by the coupling reaction of aryl and alkenyl halides with terminal alkynes in the presence of Pd catalyst. A Reactant for preparation of a Triple Monoamine reuptake inhibitors as a new generation of Antidepressants; Anti-diabetic polyacetylenic glucosides; Conjugated dienoic acid esters using Suzuki coupling reactions; Phosphoinositide 3-kinase (PI3K)/mammalian target of rapamycin (mTOR) dual inhibitors; Macrocytic o-aminobenzamide Hsp90 inhibitor with antitumor activity; Alcohols via hydrolysis of alkyl silyl ethers neutral pH in mixed organic-aqueous buffered solutions; Oligoribonucleotides with phosphonate-modified linkages; Aryl alkyl alcohols via Nozaki-Hiyama allylation catalyzed by chiral bipyridyldiol ligands and chromium trichloride.
TBAF 3H ₂ O	Tetrabutyl ammonium Fluoride Trihydrate Solid	87749-50-6	Dehydrobromination Reactions, Preparation of Cellulose Derivatives, Surfactants, Synthesis of Lipophilic Peptides
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
TBAOH	Tetra butyl ammonium hydroxide	2052-49-5	Dissolution of Cellulose, Catalyst for Azoles Synthesis, Preparation of Fatty Acid Salts, Pharmaceutical Intermediate
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
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

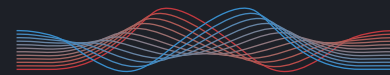
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Abbreviation	Product Name	CAS No.	Application Examples
TEAB	Tetraethyl ammonium Bromide Solid	71-91-0	Ion-Pairing Reagent in Chromatography, Pesticides, Pharmaceutical Intermediate, PTC, Surfactants
TMAC & TMAC50%	Tetramethyl ammonium Chloride Solid & 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
TBAOH	Tetra butyl ammonium hydroxide	2052-49-5	Dissolution of Cellulose, Catalyst for Azoles Synthesis, Preparation of Fatty Acid Salts, Pharmaceutical Intermediate
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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