

Trade Name	INCI Name	% Total Solids	Molecular Weight	Preservative	Use Level (%) as sup.	Acrylamide	Features/Benefits	Descriptions	Applications
Merquat™ 5 Polymer: Dry copolymer of Methacryloyloxy-ethyl Trimethyl Ammonium Methylsulfate (METAMS) and Acrylamide (ACAM)									
5	Polyquaternium-5	>92	4,000,000	None	0.1	< 25 ppm	Superior application feel; reduces tight skin feel; excellent skin feel after application, good slip properties.	High molecular weight, non-preserved, dry powder conditioning agent with excellent slip properties	Shaving products
Merquat™ 100 Polymer Series: Aqueous solutions of the highly charged cationic homopolymer of Diallyl Dimethyl Ammonium Chloride (DADMAC)									
100	Polyquaternium-6	39 - 44	150,000	None	0.75 - 3	None	Improves foam properties; imparts a smooth, velvety feel; reduces tightness after drying skin; provides excellent moisturization.	High charge density conditioning agent	Bar soaps, body washes, shaving products
106	Polyquaternium-6	30 - 36	15,000	None	0.75 - 3	None	Imparts a smooth, velvety feel; reduces tightness after drying skin; provides excellent moisturization.	Low molecular weight, high charge density conditioning agent, pH buffered	
Merquat™ 550 Polymer Series: Copolymer solutions of Diallyl Dimethyl Ammonium Chloride (DADMAC) Acrylamide (ACAM)									
550	Polyquaternium-7	8.5 - 9.5	1,600,000	Methyl & Propyl Paraben	1 - 5	< 10 ppm	Imparts a smooth, velvety feel; reduces tightness after drying; provides excellent moisturization in bath and shower products; provides rich, creamy foam to bath and shower products. Improved compatibility and clarity compared to PQ-6.	Highest conditioning in the PQ-7 family	Bar soaps, body washes, facial cleansers, hand soaps, mild cleansers, shaving products
550L	Polyquaternium-7	8.5 - 9.5	1,600,000	Methyl & Propyl Paraben	1 - 5	< 1 ppm		Highest conditioning, lowest acrylamide in the PQ-7 family	
550PR	Polyquaternium-7	8.8 - 9.8	1,600,000	Sodium Benzoate	1 - 5	< 1 ppm		Highest conditioning, non-paraben, lowest acrylamide in the PQ-7 family	
2200	Polyquaternium-7	>92	1,600,000	None	0.1 - 1	< 50 ppm	Provides excellent moisturization; liquid cleansing products acquire richer, thicker foam with improved stability.	Preservative-free, dry powder conditioning agent	Bar soaps, body washes, facial cleansers, hand soaps, shaving products
740	Polyquaternium-7	41 - 45	100,000	Sodium Benzoate	0.25 - 1	< 10 ppm	Imparts a smooth, velvety feel; reduces tightness after drying; provides excellent moisturization in bath and shower products; provides rich, creamy foam to bath and shower products.	High solids, low molecular weight conditioning agent	
S	Polyquaternium-7	8.5 - 9.5	2,600,000	Methyl & Propyl Paraben	1 - 5	< 1 ppm		High molecular weight, improved compatibility and clarity in anionic surfactant systems	
7SPR	Polyquaternium-7	8.8 - 9.8	2,600,000	Sodium Benzoate	1 - 5	< 1 ppm		High molecular weight, non-paraben, improved compatibility and clarity in anionic surfactant systems	
Merquat™ 280 Polymer Series: Ampholytic copolymer of Diallyl Dimethyl Ammonium Chloride (DADMAC) and Acrylic Acid (AA)									
280	Polyquaternium-22	39 - 43	450,000	Methyl & Propyl Paraben	1 - 3	None	Provides stable, rich and dense foam.	Excellent conditioning in extreme pH applications	Bar soaps, body washes, hand soaps
280NP	Polyquaternium-22	39 - 43	450,000	None	1 - 3	None		Excellent conditioning in extreme pH applications and preservative free	
280SD	Polyquaternium-22	>94	450,000	None	0.4 - 1.2	None		Low pH conditioning agent great for extreme pH applications and preservative free	
295	Polyquaternium-22	35 - 40	190,000	None	1 - 3	None	Improves wet and dry combing; provides stable, rich and dense foam.	Highly charged conditioning agent with great compatibility and preservative free	

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Merquat™ 3330 Polymer Series: Amphoteric terpolymer of Acrylic Acid (AA), Diallyl Dimethyl Ammonium Chloride (DADMAC) and Acrylamide (ACAM)									
PLUS 3330	Polyquaternium-39	9.4 - 10.4	1,500,000	Methyl & Propyl Paraben	1 - 3	< 1 ppm	Imparts a smooth, velvety feel; reduces tightness after drying skin; reduces irritation from liquid skin cleansing products; liquid cleansing products acquire richer, thicker foam with improved stability.	Preserved polymer designed to reduce irritation from surfactants	Body washes, facial cleansers, hand soaps, intimate cleansers, mild cleansers, shaving products
3330PR	Polyquaternium-39	10.2 - 11.5	1,500,000	Sodium Benzoate	1 - 3	< 1 ppm		Non-paraben polymer designed to reduce irritation from surfactants	
3330DRY	Polyquaternium-39	< 92	1,500,000	None	0.1 - 0.4	< 3ppm		Dry powder, non-preserved polymer designed to reduce irritation from surfactants	
PLUS 3331	Polyquaternium-39	9.4 - 10.4	1,600,000	Methyl & Propyl Paraben	1 - 3	< 1 ppm		Preserved polymer designed to reduce irritation from surfactants, different mole ratio	
3331PR	Polyquaternium-39	9.4 - 10.7	1,600,000	Sodium Benzoate	1 - 3	< 1 ppm		Non-paraben high charge density polymer designed to reduce irritation from surfactants, different mole ratio	
3940	Polyquaternium-39	41 - 45	150,000	Sodium Benzoate	0.25 - 1	< 10 ppm		High solids, low molecular weight, non-paraben, conditioning agent to reduce irritation from surfactants	
Merquat™ 2001 Polymer Series: Aqueous solutions of an amphoteric terpolymer of Acrylic Acid (AA), Methacrylamido-propyl Trimethyl Ammonium Chloride (MAPTAC) and Methylacrylate (MA)									
2001	Polyquaternium-47	20 - 22	1,200,000	Sodium Benzoate	1 - 3	None	Provides rich and luxurious foam.	Excellent conditioning polymer for skin feel and foam enhancement	Body washes, facial cleansers, hand soaps, mild cleansers
Merquat™ 2003PR Polymer Series: Aqueous solution of an amphoteric terpolymer of Methacrylamido-propyl Trimethyl Ammonium Chloride (MAPTAC), Acrylamide (ACAM) and Acrylic Acid (AA)									
2003PR	Polyquaternium-53	19.5 - 22.5	1,200,000	Phenoxyethanol	1 - 3	< 5 ppm	Increases flash foam and ultimate foam stability, Improves moisture retention.	Excellent non-paraben conditioning polymer for skin feel and foam improvements	Facial cleansers

* Note: If reference to solid is not stated in the description, polymer is a liquid.

** These are typical properties. See the specification for the certified properties



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