

MACKERNIUM® BTAC & BTMS Series

Hair & Skin Conditioning Agents



MACKERNIUM® BTAC & MACKERNIUM® BTMS Series of conditioning agents are versatile and beneficial ingredients in hair care products, especially for dry, frizzy, curly, or textured hair. They condition, soften, and smooth hair cuticles, reducing static and frizz while providing shine. These ingredients enhance manageability, making hair easier to detangle and style. Verdant offers a wide variety of ingredients for pearled or opaque formulations, featuring high active cationics for formulation versatility, cationics combined with co-emulsifiers for ease of formulating, and MACKINE® amine conditioning agents for cationic-free conditioners.

BENEFITS

- Smooths hair cuticle for softer, shinier hair.
- Excellent detangling for wet combability
- Anti-static effect for reduced fly-away and frizz
- Provides lubricity to hair and skin
- Excellent emulsifiers and moisturizers for unique skin care products

APPLICATIONS - HAIR

- Rinse-off conditioners
- Leave-in conditioners / masks
- Detanglers
- Hair relaxers
- Straighteners
- Hair dyes

CERTIFICATES



APPLICATIONS - SKIN

- Shaving products
- Skin creams & lotions

FEATURED MACKERNIUM® PRODUCT LISTING

Product Series	INCI Name	Active, %	ISO 16128 NOI	Co-Emulsifier (Included)
BTAC 228	Behentrimonium Chloride & Ethanol	80	0.811	
BTAC PF4050	Behentrimonium Chloride & Cetearyl Alcohol	40	0.895	☑
BTAC PF4060	Behentrimonium Chloride & Cetearyl Alcohol	40	0.905	☑
BTAC D7570	Behentrimonium Chloride & Dipropylene Glycol	70	0.542	
BTAC P7580	Behentrimonium Chloride & Isopropanol	80	0.626	
BTMS 225	Behentrimonium Methosulfate & Cetearyl Alcohol	20	0.911	☑
BTMS 7550	Behentrimonium Methosulfate, Cetyl Alcohol & Butylene Glycol	50	0.721	☑
BTMS P8580	Behentrimonium Methosulfate & Isopropyl Alcohol	80	0.534	

HAIR CONDITIONER FORMULATION

Part	Ingredients	% w/w
A	Water	30
	MACKERNIUM® GQ-170U	0.2
	Water	q.s. to 100
	PGL 202KC*	2.0
	Citric acid	0.23
B	Disodium EDTA	0.05
	MACKERNIUM® BTAC D7570	3.5
	MACKERNIUM® BTMS 7550	2.5
	Methyl Gluceth DOE 120KC*	0.5
	Cyclopentasiloxane & Dimethiconol	2.0
	Propylene glycol	2.0
	Amodimethicone, Cetrimonium chloride, Trideceth-12	2.0
C	Phenoxyethanol	q.s.
	Fragrance	q.s.

* KCI Limited product



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