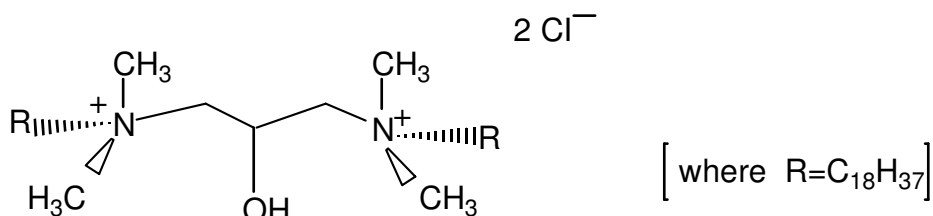


CATEMOL[®] HBC-18

(INCI: Hydroxypropyl Bisstearyldimonium Chloride)

CATEMOL[®] HBC-18 is a distearyl quaternary that gives softer hair conditioning compared to typical monoquats while at the same time imparting noticeable reduction in static charge and fly-away. In addition to its use in hair conditioners (both leave-in and rinse-out), it finds application in conditioning shampoos, mousses and waving lotions.

CATEMOL[®] HBC-18 is structurally described as:



Trade Name	CATEMOL[®] HBC-18
INCI Name	Hydroxypropyl Bisstearyldimonium Chloride
CAS Number	118516-73-7 (Hydroxypropyl Bisstearyldimonium Chloride) 64-17-5 (Ethanol) 7732-18-5 (Water)

SPECIFICATIONS

Solids content, 1.5 hr @ 105° C (%)	48.0 to 52.0
pH (1% Solids)	4.0 to 6.0
Actives, MW=361.5 (%)	44.0 to 46.0
Appearance @ 25° C	Off-white Paste
Appearance (Molten)	Clear to slightly hazy

SOLUBILITY

Water	m(w)
Propylene Glycol	m(w)
Ethanol 200 Proof	m
Mineral Oil	i(w)
Isododecane	i(w)
Isopropyl Myristate	i(w)
Castor Oil	i(w)
Cyclomethicone	i(w)
Dimethicone	i(w)
Isononyl Isononanoate	i(w)
Pentaerythrityl Tetraethylhexanoate	i(w)

i= insoluble m= miscible (all %s) w=warm (50° C)

Created: 6/25/09

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