

TECHNICAL BULLETIN

NECON BAB

Chemical Name: [N-Behenyl-(3-Amido Propyl) N, N-Dimethyl Amine] Behenate
INCI Name: Behenamidopropyl Dimethyl Amine Behenate
CA Index Name: Docosanoic Acide, Compd, with N-[3-(Dimethylamino) Propyl] Docosamide
CAS Number: 125804-04-8

SPECIFICATIONS:

Appearance @ 25°C	Wazy Solid
Color	Tan
Odor	Mild, Ammoniacal
Specific Gravity @ 65°C	0.90
Pounds per Gallon	7.5
Melting Point, °C (Typical)	65
Ionic Nature	Cationic
Activity, %	100
Molecular Weight (Average)	764
Acid Value, mg KOH/gram	65-85
Alkali Value, mg KOH/gram	65-85
pH 5.0%*	6.0 – 8.0 *(70 – 30% Hydro-Alcoholic Mix)
Flah Point, °C (C.O.C.)	Over 170

SUGGESTED APPLICATIONS:

NECON BAB is a behenylamidopropyl dimethyl amine complexed with behenic acid; it is derived from a natural source (rape seed oil). The combination of the moieties has a carbon chain length of 44, which makes it an excellent conditioner. Because NECON BAB is a cationic, it is very substantive and forms a monomolecular layer on the substrate. Some of the commonly recommended applications include skin creams and lotions, hair care products such as shampoos and hair conditioners, shaving creams, liquid soaps and soap bars. It is also used as a cationic emulsifier.

This information is believed to be reliable, but it is not to be construed as a warranty and no patent liability is assumed.