



532 Point Lawrence Rd.  
Olga, WA 98279  
Tel: 360-376-8008 www.lotioncrafter.com

## **Lotioncrafter BTMS-50**

**INCI: Behentrimonium Methosulfate (and) Cetyl Alcohol  
(and) Butylene Glycol**

### **DESCRIPTION**

**Lotioncrafter BTMS-50** is 50% active Behenyl (C22) quaternary conditioning agent and cationic emulsifier provided in pastille form. It is supplied volatile-free and at the highest possible activity. As a higher active form of Lotioncrafter BTMS, it contains less fatty alcohol and offers adjustable conditioning, allowing the formulator to manipulate the quat:fatty alcohol ratio and customize their product's conditioning performance. Behentrimonium Methosulfate is a quaternary ammonium salt derived from the natural plant oil Colza. It is both a mild primary emulsifier and an excellent conditioning agent, which provides elegant cationic emulsions for both skin and hair care products. These creams tend to resist wash off, leaving a soft, powdery feel on the skin and imparting excellent detangling properties to hair conditioners. In a hair conditioner, it offers improved wet comb and leaves hair with noticeable body and spring. Due to its extreme mildness, it is suitable for leave-in conditioners. BTMS-50 can be used as a co-emulsifier with Polawax, adding its conditioning properties to emulsions.

### **RECOMMENDED USE LEVELS**

1% - 10%

### **TYPICAL PROPERTIES**

Appearance	Pastille
Color	Creamy White
Odor	Characteristic
pH (2% water dispersion)	5.0 - 7.0*
Melting point	App. 60°C
Free Amine (MW-378.3)	2.0 Max.
% Actives (MW-504.4)	48.0-51.0%

\*pH specified is at time of manufacture. Methosulfate Quats will exhibit some drift during storage, but will not drift below 4.0.

## **STORAGE**

**Lotioncrafter BTMS** should be stored in a tightly closed container in a cool, dry place. Storage above 90°F may result in coagulation.

## **LIMITATIONS**

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

## **LIMITED WARRANTY – PLEASE READ CAREFULLY**

The information contained herein is offered in good faith based on Lotioncrafter's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that Lotioncrafter's products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.