

**iQUAT TMS 50**

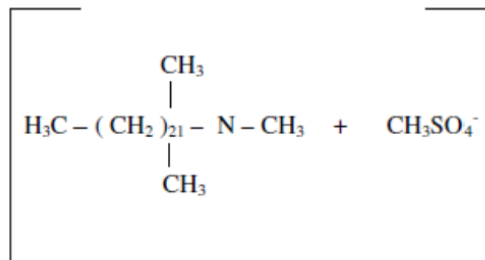
**INCI Name (US):** Behentrimonium Methosulfate (And) Cetyl Alcohol (And) 1,3-Butylene Glycol

**INCI Name (EU):** Behentrimonium Methosulfate (And) Cetyl Alcohol (And) 1,3-Butylene Glycol

**CAS #:** 81646-13-1 / 36653-82-4 / 107-88-0

**General Information/  
Characteristics:**

**iQUAT TMS 50** is an exceptionally effective cationic self-emulsifying wax and quaternary conditioner for both hair and skin care applications. As a Behenyl derivative, its longer chain fatty moiety (C22) offers distinct formulating advantages over the more traditional lauryl- to stearyl - based quaternaries. **iQUAT TMS 50** provides enhanced conditioning and emulsifying properties in combination with the greater mildness demanded by cosmetic formulations today.



**iQUAT TMS 50** is easy to handling and has excellent stability. According to the type of application, can be utilized as primary emulsifier or associated with others cationic emulsifiers or non-ionic. It helps in the silicones incorporations, vegetable oils and esters in emulsions.

**Benefits / Application:**

**Benefits:**

- Substantive to hair and skin
- Confers excellent wet comb ability
- Outstanding conditioning agent
- Improved mildness/reduced irritation potential
- Low CMC
- Primary emulsifier
- Thickening agent/stabilizer
- Emulsifies high levels of silicone

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- Vegetable-derived
- Easy-to-handle pastille form

Application :

- Leave-on and rinse-off conditioners
- Hair detangles
- Hair bodying conditioners
- Skin creams and lotions
- Protective silicone emulsions
- Hair relaxer creams/ethnic hair conditioners
- Antiperspirant/deodorant sticks

**Formulations Advices:**

The concentration use must be established according to each formulation to be developed and according to the type of hair/skin to be treated, could be used 1.0 to 5.0 %

**Regulatory Status:**

No specific regulation

**Physico-Chemical Properties:**

Aspect	Pellets
Color	White
pH	5.0 – 7.0
Free Amine (%)	Max. 1.5
Melting Point (°C)	60 - 70
Active Substance (%)	48.0 – 51.0

**Additives:**

Preservatives:

**Shelf Life / Storage Conditions**

36 months from the manufacturing date.  
**iQUAT TMS 50** should be storage in covered area, protected from sunlight, in ambient temperature and closed original package.

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