

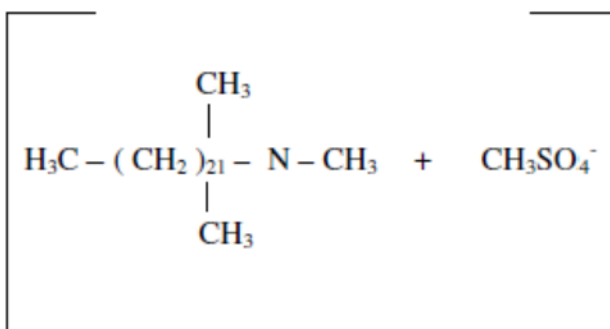
iQUAT TMS 25

**INCI Name (US):** Behentrimonium Methosulfate (And) Cetearyl Alcohol

**INCI Name (EU):** Behentrimonium Methosulfate (And) Cetearyl Alcohol

**CAS #:** 81646-13-1 / 241148-21-0 (and) 67762-27-0 / 8005-44-5

**General Information/ Characteristics:** **iQUAT TMS 25** is a cationic wax self-emulsifying, obtained from a third aminederivate from colza oil, with high tenor of chain C22 and present the following chemical structure:



Its carbonic chain (C22) is responsible for his low irritation potential; it can be utilized in products for hair and also for the skin. **iQUAT TMS 25** 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

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- ♦ Emulsifies high levels of silicone
- ♦ 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 of the iQUAT TMS 25 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	Pastilles
Color	White
pH	4.5 – 7.0
Free Amine (%)	Max. 2.0
Melting Point (°C)	60 – 70
Active Substance (%)	24.0 – 26.0

**Additives:**

Preservatives:

**Shelf Life / Storage Conditions**

24 months if storage in covered area, protected from sunlight, at ambient temperature and closed original package.

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