

**iBACT CETRIMIDE**

**INCI Name (US):** Myrtrimonium Bromide

**INCI Name (EU):** Myrtrimonium Bromide

**CAS #:** 1119-97-7

**General Information/ Characteristics:** Myrtrimonium Bromide is a quaternary ammonium compound which is a part of a group of ammonium salts that are typically prepared by treatment of an amine and an alkylating agent. They demonstrate a variety of physical, chemical and biological properties and most are soluble in water as they possess properties of strong electrolytes. These compounds are additionally known to have the ability to disrupt a micro-organism's cell processes thus make excellent preservatives.

**Benefits / Application:** Skin and hair care benefits:

- ♦ Acts as an antiseptic and as a detergent thus it is used in the treatment of dandruff, itchy or oily scalp.
- ♦ Has been known to treat psoriasis and seborrheic dermatitis of the scalp and skin.

Applications:

- ♦ Antimicrobial lotions and skin care soaps.
- ♦ Detergents, sanitizers and softeners.
- ♦ Pigment dispersal agents.
- ♦ 2 in 1 shampoo.
- ♦ Hair dressing gels and leave in conditioners.
- ♦ Make-up products and make-up removers.

**Formulations Advices:** No reference

**Regulatory Status:** No applicable

**Physical-Chemical Properties:**

|                           |   |
|---------------------------|---|
| Acidity:                  | NMT 1ml of NAOH is required to change color |
| Miscibility with Ethanol: | Solution remains clear.                     |
| Neutral substances:       | Residue weight NMT 0.4g.                    |
| Non-quaternized amines:   | The difference between the volumes.         |
| Isopropyl Alcohol:        | NMT 10% v/v                                 |
| Assay content:            | 38-42%                                      |

*\*These values indicate typical specification; they are not intended to be used as product specifications*

**Packaging:** 200 kg HM HDPE Drums.

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