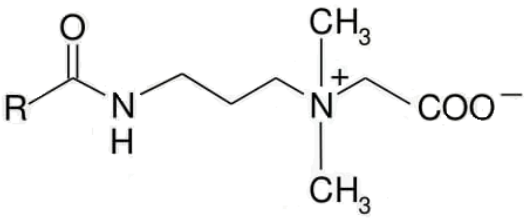




M/S. BIMAL PHARMA PVT. LTD. MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : COCO AMIDO PROPYL BETAINE (CAPB)
MSDS No. BPPL 180 (Available on Request)	SPECIFICATION No. FP- 180 (Enclosed)

1. **NOMENCLATURE** :  
: Cocoamidopropyl Betaine  
: Cocamidopropyl Betaine
2. **CAS No.** : 61789-40-0
3. **EC No.** : 263-058-8
4. **HS Code No.** : 34021190 / 34021900
5. **EMPIRICAL FORMULA** :  $C_{19}H_{38}N_2O_3$  (C<sub>12-18</sub>)
6. **MOL. WT.** : 360
7. **STRUCTURAL FORMULA** :  
  
R-C(=O)NCCCC[N+](C)(C)C(=O)[O-]
8. **SPECIFIC GRAVITY** : 1.045 to 1.065  
(at 20°C)
9. **DESCRIPTION** :  
: Clear low viscous liquid  
: Colourless to pale yellow
10. **APPLICATIONS** :  
: In Personal Care & Home Care products.  
: Shampoos, Conditioners, Liquid Soaps, Body wash, Bubble Baths & Baby care Products.  
: In Detergents  
: In deodorant compositions

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1. **DESCRIPTION** : Clear low viscous liquid  
: Colourless to pale yellow  
: Slight characteristic odour
2. **SOLUBILITY** : Water soluble
3. **pH** : 4.0 to 6.0  
(5% aqueous solution)
4. **ACTIVE MATTER** : 29 - 31  
(% by mass)
5. **CHLORIDE as NaCl** : 6.0 % Max.  
(% by mass)
6. **FREE AMIDOAMINE** : 0.5 % Max.  
(% by mass)
7. **FREE FATTY ACID** : 0.5 % Max.  
(% by mass)
8. **SOLIDS CONTENT** : 36 % Max.  
(105°C, 2 hrs) (% by mass)
9. **WATER CONTENT** : 62 - 64  
(Loss on Drying) (% by mass)
10. **PACKING** : 235 Kgs. HM-HDPE Blue Carboys / Drums.  
: In 20 ft. FCL, 18.8 MT palletized or not

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- 11. STORAGE**
- : Store the material in a Clean Dry place, Preferably at 20°C - 35°C.
  - : Keep away from Direct Heat & sunlight.
  - : Keep the container tightly closed.
  - : If the product becomes frozen in HM-HDPE carboys, then keep the same in hot room of 50°C (avoid direct heating)
- 12. HANDLING**
- : Avoid ingestion ;
  - : Avoid contact with Eyes & Prolonged contact with skin & clothing ;
  - : In case of contact with eyes & skin, seek adequate & timely medical attention.
  - : Once the carboy is opened, ensure airtight closure after usage & use the product within a week.
- 13. SHELF LIFE**
- : 2 Years
  - : In the Original sealed condition, when stored as suggested, the Shelf life is at least 2 years.