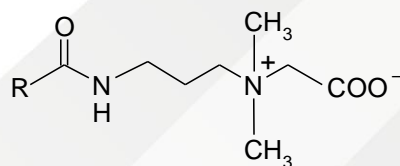


**TECHNICAL DATA SHEET****Product****Galaxy CAPB Plus****DESCRIPTION**

Chemical Name	: Cocoamidopropyl Betaine
INCI Name	: Cocamidopropyl Betaine
CAS Number	: 61789-40-0
EINECS Number	: 263-058-8

Chemical Structure

(RCO = C<sub>8-18</sub> natural)**TECHNICAL SPECIFICATIONS**

Appearance/nature	: Clear liquid
Odour	: Characteristic
Colour	
a) description	: Colourless to pale yellow
b) Hazen value (as such), maximum	: 150
pH (5 % aqueous solution)	: 4 - 7
Active matter, % minimum, calculated as 100 - (% water content + % chloride content)	: 37
Chloride, % by mass as NaCl	: 5.8 – 7.3
Free amido amine % by mass, maximum	: 0.5
Solid content (105 <sup>0</sup> C, 2 hrs)% by mass, minimum:	44
Water content, % by mass, maximum	: 56
Specific gravity at 20 <sup>0</sup> C	: 1.050 – 1.080

## Galaxy CAPB Plus

### TECHNICAL DATA SHEET

Microbial count, TVC, cfu/ml	: < 10
Microbial count, Y / M, cfu/ml	: < 10

### PROPERTIES

Solubility	: Soluble in water, ethanol and isopropanol Insoluble in mineral oil
Use concentrations	: 3 – 20 %
Compatibility	: Compatible with all classes of surfactants

**Galaxy CAPB Plus** is an amphoteric surfactant, zwitterionic in nature. It has excellent foaming capability and the foam formed is fine and stable. It is biodegradable.

### APPLICATIONS

**Galaxy CAPB Plus** is most widely used in Personal Care and Home Care products as a foaming and cleaning/cleansing agent –

- In hair care products viz. shampoos, conditioners etc. where **Galaxy CAPB Plus** also provides conditioning property to the formulation. It is substantive to hair. It reduces static charge build-up on hair, prevents hair from “fly-away” effect and imparts good styling characteristics to hair
- In bath and body-care products like liquid soaps, body wash, shower gels, bubble baths and baby-care products
- In deodorant compositions, after shave lotions
- In detergents, floor cleaners etc – **Galaxy CAPB Plus** is recommended for usage in such products due to its excellent wash and soil suspending power and good tolerance towards high level of detergent builders, electrolytes, alkalis and acids

In combination with Fatty Alcohol Sulfates/ Fatty Alcohol Ether Sulfates, it shows synergistic properties, building up the viscosity of the formulation.

**Galaxy CAPB Plus** also finds varied applications in other industries –

- As air inhibiting/entraining agent for cement, gypsum, wallboard and cleaner for oily surfaces in the cement industry
- As surfactant for foam blanketing
- As corrosion inhibitor in metal working systems/metal finishing

#### **PACKING**

**Galaxy CAPB Plus** is available in HM-HDPE drums of 235 kg net wt. Total of 80 drums i.e. 18.8 MT can be shipped in a full 20 ft. container load. It is also supplied in flexi bags with capacity of 22 MT

#### **HANDLING AND STORAGE**

Store in a clean, dry area. Keep the containers tightly closed. Store at 20<sup>0</sup>-35<sup>0</sup>C. In the original sealed containers and kept at suggested storage conditions, the product can be stored for at least 1 year. Spills may be cleaned by flushing with sufficient amount of water. Avoid ingestion, contact with eyes and prolonged contact with skin and clothing. In case of contact with eyes and skin, seek adequate and timely medical attention. Stacking should be maximum 1+1 drums.

Product Name : **Galaxy CAPB Plus**

Version : 04

Date of issue : 12.10.2011

Updated by : Mr. Sanjay Joshi

Authorised by : Mr. Kishor Ingale

Ref. Doc. FGSM-IBC: 8.3.02

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