

Product Description:

- **INCI Name:** Cocamidopropyl Betaine (CAPB)
- **CAS No:** 61789-40-0
- **Physical Properties:** Light Yellow, Odorless, Liquid
- **Country of Origin:** India
- **Certifications:** Vegetable-based, Not Tested on Animals
- **Bulk Packaging:** 235kg drum *4 = 940kg/pallet, 1,100kg tote

Formulation Guidelines for Cocamidopropyl Betaine 35%

CAPB (Cocamidopropyl Betaine) is a versatile amphoteric surfactant commonly used in personal care and cleaning products due to its mildness, foaming properties, and compatibility with other ingredients. Here are some general guidelines to consider:

1. **Concentration:** The recommended concentration of CAPB in formulations can vary depending on the desired product and its intended use. However, for personal care products like shampoos, body washes, and facial cleansers, a typical usage level of CAPB is around 5% to 20%.
2. **Compatibility:** CAPB is compatible with a wide range of ingredients commonly found in personal care and cleaning formulations. However, it is always recommended to conduct compatibility tests and check for any possible interactions between CAPB and other ingredients in your specific formulation.
3. **pH Adjustment:** CAPB is stable over a wide pH range, typically between pH 5 and 7. However, for optimal performance, it is recommended to adjust the pH of the formulation to the desired range before incorporating CAPB. This can help maintain its mildness and stability.
4. **Mixing:** When incorporating CAPB into your formulation, it is best to add it slowly to the other ingredients while mixing continuously. This will help ensure uniform distribution and prevent the formation of lumps or clumps.
5. **Temperature:** CAPB is generally stable at normal storage temperatures. However, extreme temperatures should be avoided to maintain its quality. It is also important to note that CAPB can thicken or become hazy at lower temperatures, but this effect is reversible upon warming.
6. **Regulatory Considerations:** When using CAPB or any other ingredient in formulations, it is essential to comply with the regulations and guidelines set by relevant authorities, or other regulatory bodies in your country or region. Ensure that the concentration of CAPB used in your formulation complies with the allowed limits.
7. **Testing:** Before scaling up production or launching a product containing CAPB, it is advisable to conduct stability and safety tests to ensure the efficacy and safety of the formulation such as: viscosity measurements, stability tests under different conditions (temperature, pH), and microbial contamination tests.

