MACKAM® CBS-50G
INCI Name: Cocamidopropyl Hydroxysultaine
CAS No.: 68139-30-0
EINECS: 268-761-3

Product Description
Mackam CBS-50G is a high performance amphoteric surfactant that can be used in both homecare and personal care applications. It is compatible with anionic, nonionic, amphoteric, and cationic surfactants. In personal care applications, Mackam CBS-50G exhibits foam and mildness synergies with common anionics and can be used in place of Cocamidopropyl Betaine to boost flash foam and reduce eye irritation potential. In HI&I applications, Mackam CBS-50G exhibits high foaming even in high electrolyte solutions and is stable in 19% sodium hydroxide. Mackam CBS-50G is produced from coconut oil and is readily biodegradable. It is stable in both hard and soft water and has excellent lime soap dispersing properties. This property makes Mackam CBS-50G ideal for use with potassium alkali soaps like Mackadet® 40-K or GB-96.

Specifications
Appearance @ 25 Deg C: Clear Liquid
Color Gardner: 5 Max
Solids (Moisture Balance), %: 48.0 – 52.0
pH (10% Aqueous): 7.0 – 9.0
Sodium Chloride, %: 6.0 - 7.0
Infrared Spectrum: Matches Standard

Typical Properties
Specific Gravity @ 25°C: 1.09
Total Plate Count (CFU/g): < 10

Chemical Structure
Where RCO- represents the fatty acids derived from coconut oil.

Regulatory
Mackam CBS-50G
TSCA: Listed  Japan: Not Listed
EU: Listed  Korea: Not Listed
Australia: Listed  New Zea: Listed
Canada: Listed  Philipp: Listed
China: Listed  Swiss: Unknown

Principal Uses
Personal Care
Bubble Baths: 1% - 5%
Shampoo/Body Wash: 2% - 10%
Liquid Soaps: 2% - 10%

HI&I
All Purpose Cleaners: 1% - 5%
Tub/Tile Cleaner: 2% - 5%
Car Wash (Foam Booster): 5% - 10%

Storage and Handling
Mackam CBS-50G should be stored in sealed containers below 30°C in a dry place out of direct sunlight. If material becomes hazy after exposure to cold gently heat to 35°C and mix before use. Handle between 15°C – 90°C. Avoid prolonged exposure to heating as this may lead to degradation.

Packaging
Available in Bulk, 200 kilogram drum, 450 pound plastic drums, 1000 kilogram IBC, 2300 pound totes.