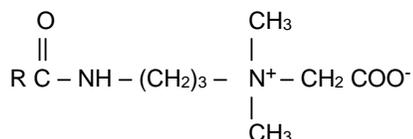


## Product Bulletin

### AMPHOSOL® HCG-K

Product Name

Chemical Structure



R = coco

Chemical Description

AMPHOSOL HCG-K is a low odor amido amine-type betaine derived from refined coconut oil.

CAS Registry No.

61789-40-0

INCI Name

Cocamidopropyl Betaine

Applications

Functional Properties

- Primary or secondary surfactant
- Foam booster
- Viscosity builder
- Compatible with anionics, nonionics and cationics

End Product Uses

- Bubble Baths
- Shampoos
- Baby Products
- Hand Soaps
- Facial Cleansers
- Shower Gels
- Pet Shampoos

Typical Properties

Appearance at 25 °C.....	Clear liquid
Actives, % .....	30.9
Solids, % .....	36.2
Sodium Chloride, %.....	5.3
pH, 10% aqueous.....	6.6
Color, APHA.....	116
Cloud Point (as is), °C (°F).....	-3 (27)
Pour Point, °C (°F) .....	-3 (27)
Flash Point (PMCC), °C (°F) .....	>94 (>201)
Viscosity at 25 °C, cps.....	14
Density, g/ml (lbs/U.S. gal).....	1.06 (8.79)
RVOC, U.S. EPA, %.....	0
Preservative .....	Methylchloroisoithiazolinone/Methylisothiazolinone

Biodegradability

AMPHOSOL HCG-K is readily biodegradable. Additional information is available upon request.

Toxicity

AMPHOSOL HCG-K is slightly toxic orally (oral LD<sub>50</sub> rat > 1500 mg/kg).

Storage & Handling

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling AMPHOSOL HCG-K. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.



**Bulk Storage Information:** It is recommended that AMPHOSOL HCG-K be stored in sealed containers and kept at temperatures between 40 °F (4 °C) and 110 °F (43.3 °C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use.

**Standard Packaging:** AMPHOSOL HCG-K is available in bulk, totes and 55 gallon drums (net weight 450 lb/204 kg).

#### Clearances

All components of AMPHOSOL HCG-K are listed in the following countries, the registration number for the active ingredients is included in parentheses: United States (TSCA 61789-40-0), Europe (EINECS 263-058-8), Canada (DSL 61789-40-0), Australia (AICS 61789-40-0), Philippines (PICCS 61789-40-0), Japan (ENCS 2-1290), Korea (ECL Serial No. KE-01243), and China (IECSC 61789-40-0).

AMPHOSOL HCG-K meets the U.S. EPA Safe Choice Program's surfactant screen and is listed on [www.cleangredients.org](http://www.cleangredients.org) (an on-line database for green formulators). For further information, visit [www.cleangredients.org](http://www.cleangredients.org). Additional Stepan ingredient listing can be found at [www.stepan.com](http://www.stepan.com).

**It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.**

#### Product Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

#### Additional Safety Information

A Safety Data Sheet is available upon request.



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