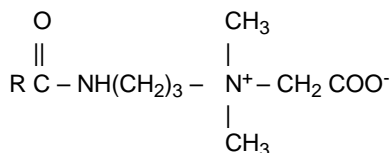


Product Name  
 Chemical Structure  
 Chemical Description  
 CAS Registry No.  
 INCI Name  
 Applications

### AMPHOSOL<sup>®</sup> HCA-HP



R = coco

AMPHOSOL HCA-HP is a mild amphoteric surfactant derived from coco-methyl esters.

61789-40-0

Cocamidopropyl Betaine

#### Functional Properties

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

#### End Product Uses

- Bubble Baths
- Hair Conditioners
- Shampoos
- Baby Products
- Pet Shampoos
- Hand Soaps
- Cleansing Creams & Lotions
- Shower Gels
- Cream Rinses

Typical Properties

Appearance at 25°C.....	Clear liquid	Actives, %.....	30.5
Solids, % .....	36.6	Sodium Chloride, %.....	5.2
pH, as is .....	12.0	Excess Caustic (as Sodium Hydroxide), % .....	0.06
Color, APHA.....	55.6	Viscosity at 25°C, cps.....	16
Density, g/ml (lbs/U.S. gal).....	1.043 (8.7)	Freeze Point, °C (°F).....	<-10 (<14)
Boiling Point, °C (°F).....	100 (212)	Flash Point (PMCC), °C (°F).....	>94 (>201)
RVOC, U.S. EPA, % .....	0	Preservative .....	Not required

Biodegradability

Product is readily biodegradable.

Toxicity

AMPHOSOL HCA-HP is slightly to practically non-toxic orally (LD<sub>50</sub> = 4.9 to 7.45 g/kg), and causes moderate eye and minimal skin irritation at 10% active when tested under neutral pH conditions.

Storage & Handling

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

**Bulk Storage Information:** Recommended material of construction for storage: fiberglass. It is recommended that AMPHOSOL HCA-HP 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 HCA-HP is available in bulk, 55 gallon drums (net weight 450 lb/204 kg) and totes (net weight 2,200 lb/998 kg).

AMPHOSOL<sup>®</sup> is a registered trademark of Stepan Company.



Workplace  
Exposure

Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.

Clearances

All components of AMPHOSOL HCA-HP are listed in the following countries, the registration number for the active ingredients is included in parentheses: United States (TSCA 61789-40-0), Australia (AICS 61789-40-0), Canada (DSL 61789-40-0), China (IECSC 61789-40-0), Europe (EINECS 263-058-8), Japan (ENCS 2-1290), Korea (ECL Serial No. KE-01243), New Zealand (NZIoC 61789-40-0), and Philippines (PICCS 61789-40-0). **It is the responsibility of the end user to review the chemical control regulations for each country.**

AMPHOSOL HCA-HP 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)

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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**Stepan**   
**Corporate Headquarters**  
**Northfield, Illinois 60093, U.S.A.**  
**Phone: 847-446-7500**  
**Fax: 874-501-2100**  
**Website: [www.stepan.com](http://www.stepan.com)**

**For Technical Service Call:**  
Stepan Company USA **+1-800-745-7837**  
Stepan Canada **+1-705-330-3367**  
Stepan Mexico **+55-11-5089-2208**  
Stepan Quimica **+55-11-5089-2200**  
Stepan Colombia **+571-636-2808**  
Stepan Europe **+33-476-505-160**  
Stepan Asia **+656-879-9855**  
Stepan Philippines **+656-879-9855**

**For Customer Service Call:**  
Stepan Company USA **+1-800-457-7673**  
Stepan Canada **+1-800-461-5000**  
Stepan Mexico **+52-555-533-1967**  
Stepan Quimica **+55-11-5089-2200**  
Stepan Colombia **+57-6-8993125**  
Stepan UK **+44-161-338-5511**  
Stepan France **+33-476-50-51-00**  
Stepan Philippines **+63-2-842-7951**