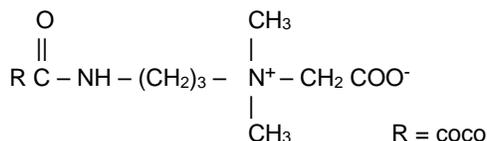


Product Name

AMPHOSOL[®] HCG

Chemical Structure



Chemical Description

AMPHOSOL HCG is a slightly yellow color, 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, %	31.1
Solids, %	36.6
Sodium Chloride, %	5.5
pH, 10% aqueous.....	5.5
Color, APHA.....	125
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 (8.76)
RVOC, U.S. EPA, %	0
Preservative	DMDM Hydantoin

Environmental Effects

Product is biodegradable. Additional information is available upon request.

Storage & Handling

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

It is recommended that AMPHOSOL HCG 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 is available in bulk, tote and 55 gallon drum quantities.



Handling

Storage & 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

The international inventories (country clearances) for AMPHOSOL HCG can be found in Section 15 of the Safety Data Sheet (SDS). 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. If you have any further questions regarding inventories, please contact North America Technical Service at techserv@stepan.com.

Formulation

FACIAL CLEANSER (#700)

This facial cleanser formulation removes make-up and dirt, and leaves skin clean and fresh.

<u>Ingredients</u>	<u>Wt. % (as is)</u>	<u>Function</u>
Deionized Water	q.s. to 100.0	Solvent, Carrier
BIO-TERGE® AS-40	25.0	Primary Surfactant
ALPHA-STEP® MC-48	8.5	Secondary Surfactant
Glycerin (<i>Unigena</i>)	0.8	Humectant
NINOL® 30-LL	2.0	Foam Booster, Stabilizer
AMPHOSOL HCG	11.6	Secondary Surfactant
Hydrolyzed Collagen	0.2	Feel Enhancer
Preservative, Dye, Fragrance	q.s.	Additives
Sodium Chloride or Ammonium Chloride	q.s.	Viscosity Adjuster
Citric Acid (50%)	q.s.	pH Adjuster
Sodium Hydroxide (50%)	q.s.	pH Adjuster

Mixing Procedure:

Into a suitable vessel equipped with mixing capabilities, add the following items: Deionized Water, BIO-TERGE AS-40, ALPHA-STEP MC-48, Glycerin, NINOL 30-LL, AMPHOSOL HCG, Hydrolyzed Collagen, preservative, dye and fragrance. Mix well until the mixture looks homogeneous. Adjust viscosity and pH if necessary with sodium chloride or ammonium chloride, citric acid or sodium hydroxide. Mix well.

Physical Properties:

Appearance at 25 °C.....	Slightly yellow liquid
pH (as is).....	5.5 - 6.0
Viscosity at 25 °C.....	5,000 - 6,000 cps

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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