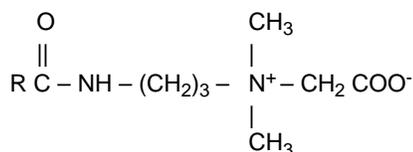


## Product Bulletin

### AMPHOSOL® CG-50



R = coco

AMPHOSOL CG-50 is a high active amido type betaine derived from refined coconut oil.

CAS Registry No. 61789-40-0

INCI Name Cocamidopropyl Betaine

Description AMPHOSOL CG-50 is a high actives version of AMPHOSOL CG. It can be used in the same type of applications as the traditional AMPHOSOL CG while providing reduction in delivery freight and storage due to higher activity level.

Functional Properties

- Primary or Secondary Surfactant
- Foam Booster
- Viscosity Builder
- Humectant
- Antistatic Agent
- Compatible with anionics, nonionics and cationics

End Product Uses

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

Appearance at 25 °C.....	Clear amber liquid
Solids, % .....	43.7
Actives, % .....	37.3
Sodium Chloride.....	6.1
pH, as is .....	6.1
Freeze Point, °C (°F).....	<-12 (<10)
Flash Point (PMCC), °C (°F) .....	>94 (>201)
Boiling Point, °C (°F) .....	100 (212)
Viscosity at 25 °C, cps.....	76
Density, g/ml (lbs/U.S. gal).....	1.07 (8.9)
RVOC, U.S. EPA, %.....	0
Preservative .....	Not required

Biodegradability Product is biodegradable. Additional information is available upon request.

Toxicity AMPHOSOL CG-50 is practically non-toxic orally (LD<sub>50</sub> = 5 g/kg) and causes minimal eye and mild skin irritation at 10% active.

Product Name  
Chemical Structure  
CAS Registry No.  
INCI Name  
Description  
Applications  
Typical Properties  
Biodegradability  
Toxicity



## Storage & Handling

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling AMPHOSOL CG-50. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that AMPHOSOL CG-50 be stored in sealed containers and kept at temperatures between 40 °F (4 °C) and 120 °F (49 °C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use.

Bulk Storage Information: Tanks made of fiberglass are recommended. Storage tanks made of 316 stainless steel are susceptible to chloride-induced cracking over time. Centrifugal or positive displacement pumps gear pumps are recommended. Piping of 316 stainless steel is adequate; however Teflon or fiberglass piping is preferred. Recommended storage for bulk tanks is 50-110 °F (10-43 °C).

Standard Packaging: AMPHOSOL CG-50 is available in bulk and drums.

## Clearances

All components of AMPHOSOL CG-50 are listed in the following countries; the registration number for the active ingredients is included in parentheses: Europe (EINECS 263-058-8), Canada (DSL 61789-40-0), Australia (AICS 61789-40-0), Philippines (PICCS 61789-40-0), Korea (ECL Serial No. KE-01243), and China (EICS Part 3).

AMPHOSOL CG-50 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 end user 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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