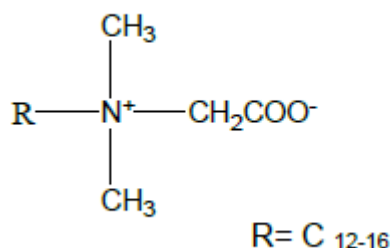


Product
Name

AMPHOSOL® CDB-HP-E

Chemical
Structure



INCI Name

Cetyl betaine

EC
Number

947-036-1

Applications

AMPHOSOL® CDB-HP-E is a preservative-free mild surfactant. It is a unique, secondary surfactant, designed to improve the viscosity response of sulfate-free* surfactant systems and traditional anionic systems. It is an enhanced amphoteric surfactant formulated for cold processing and easy handling. It can also be used as a mild primary surfactant, foam booster or static control agent. AMPHOSOL® CDB-HP-E is compatible with anionic, nonionic and cationic surfactants

Functional
Properties

- Secondary or Primary surfactant
- Viscosity Builder
- Foam Booster
- Antistatic Agent
- Compatible with Anionics, Nonionics and Cationics

End Product Uses:

Bubble Baths
Shampoos
Baby Product
Hand Soaps
Cream Rinses

Facial cleansers
Shower gels
Pet shampoos
Hair conditioners
Lotions

Appearance at 25°C.....Clear, Pale Yellow, Viscous Liquid
pH (as is)11.5-12.5
Viscosity at 25°C, cps 120
Total Actives, %.....31 typ.
Color, Gardner2 max.
Density, g/cm3 (@25°C).....1.0270

Boiling Point, °C>100
Crystallization temperature/range °C..... -5
Solids, % by Wt..... 37
Flash Point , °C>98.5
Sodium Chloride, %.....5-7
Density, g/cm3 (@40°C).....1,0180

Biodegradability

Amphosol® CDB-HP-E complies with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents.



Storage & Handling

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

It is recommended that AMPHOSOL® CDB-HP-E be stored in sealed containers and kept at temperatures between 15°C and 40°C. Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use.

Please Note: When stored in drums, AMPHOSOL® CDB-HP-E may experience gelling at the top of the container. Stepan recommends the use of the entire drum contents in the processing of your final product. If this is not possible, mild heat and agitation is recommended prior to use.

Standard Packaging

AMPHOSOL® CDB-HP-E is available in bulk quantities, Drums (204 kgs) and Intermediate Bulk Containers (1000 kg) and drums.

Global Inventories

All components of AMPHOSOL® CDB-HP-E are listed in the following countries; the registration numbers for the active ingredients are included in the table below. **Please be informed that it is the responsibility of the importer and end user to review and comply with the chemical control regulations for each country.**

US (TSCA)	Yes
Australia (AICS)	Yes (secondary notification required*)
Canada (DSL)	Yes
China (IECSC)	Yes
EU (REACH)	REACH registered Record number 01-2120758111-64-0000
Japan (ENCS)	No
Korea (ECL)	No
New Zealand (NZIoC)	Yes
Philippines (PICCS)	No
Taiwan (ECN)	Yes
Thailand (TECI)	No
Vietnam (CECHEDAR)	Yes

*Australia: Secondary notification conditions apply. Contact NICNAS before introducing this product into Australia.

Additional Safety Information For Additional Assistance

AMPHOSOL® is a registered trademark of Stepan Company.

A Material Safety Data Sheet is available upon request.

For applications or product handling assistance, call our Corporate Offices at (33) 4-76-50-5160 or (44) 160 338 9083
For ordering assistance, call our Customer Service Department at (33) 4-76-50-5100.

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