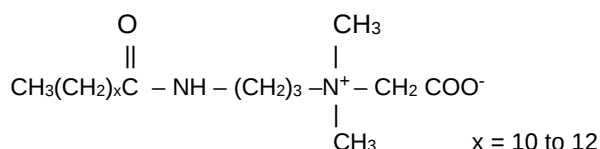


Product Bulletin

Product
Name

AMPHOSOL® LB-HP

Chemical
Structure



Chemical
Description

AMPHOSOL LB-HP is a mild amphoteric surfactant derived from naturally derived coconut oil. This characteristic gives the product enhanced foaming properties compared to broad homolog distribution. AMPHOSOL LB-HP meets the U.S. EPA Safer Choice Program's surfactant screen and is listed on Cleangredients. It is used in personal care, home care and industrial products.

CAS
Registry No.

4292-10-8 and 59272-84-3

INCI Name

Lauramidopropyl Betaine

Applications

Functional Properties

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

End Product Uses

- | | |
|---------------------|------------------------------------|
| • Bubble Baths | • Hand Soaps |
| • Hair Conditioners | • Shower Gels |
| • Shampoos | • Pet Shampoos |
| • Baby Products | • Light Duty Liquid Dish Detergent |

Typical
Properties

Appearance at 25°C	Clear liquid
Solids, %	36.5
pH, as is	12.0
Free Amidoamine, %	1.0 max.
Sodium Chloride, %	5.3
Color, APHA	100 max.
Actives, %	30
Flash Point, PMCC, °C (°F)	>94 (>201)
Viscosity at 25°C, cps	13
RVOC, U.S. EPA, %	0
Preservative	Not required

Environmental
Effects

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



Health Effects

AMPHOSOL LB-HP is practically nontoxic orally ($LD_{50} > 5000$ mg/kg) and is expected to be moderately irritating to eyes and minimally to non-irritating to skin at 10% active when tested at a neutral pH.

Storage & Handling

Normal safety precautions (e.g., gloves and safety goggles) should be employed when handling AMPHOSOL LB-HP. Contact with eyes, nose or prolonged contact with skin should be avoided. Wash thoroughly after handling AMPHOSOL LB-HP. See SDS for more information.

Non-Bulk Storage Recommendations: AMPHOSOL LB-HP should be stored in closed containers and kept in a cool, dry place away from incompatible materials (see Section 10 of the SDS) at temperatures between 40°F (4°C) and 110°F (43.3°C). If material is frozen it should be heated gently and stirred to ensure it is homogeneous prior to use.

Standard Packaging: AMPHOSOL LB-HP is available in bulk and drums.

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 safety practices should be used to control these exposures. See SDS for more information.

Clearances

The international inventories (country clearances) of AMPHOSOL LB-HP 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.

AMPHOSOL LB-HP meets the U.S. EPA Safe Choice Program's surfactant screen and is listed on www.cleangredients.org (an on-line database for green formulators). For further information, visit www.cleangredients.org. Additional Stepan ingredient listing can be found at 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 (SDS) is available upon request.



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