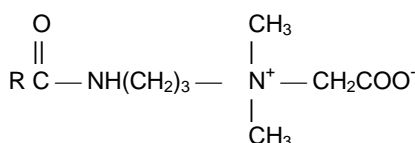


## Product Bulletin

Product  
Name

### AMPHOSOL<sup>®</sup> 810-B

Chemical  
Structure



Chemical  
Description

AMPHOSOL 810-B is a mild amphoteric surfactant derived from caprylate/caprate methyl esters.

CAS  
Registry No.

73772-46-0 & 73772-45-9

INCI Name

Capryl/Capramidopropyl Betaine

Applications

#### Functional Properties

- Primary or Secondary Surfactant
- Conditioning Agent
- Low Foam Agent
- Antistatic Agent
- Compatible with Anionics, Nonionics and Cationics

#### End Product Uses

##### **Personal Care**

- Shampoo
- Bath Products
- Facial Cleansers
- Wipes

##### **Household**

- All Purpose Cleaners
- Concrete Cleaners
- Heavy Duty Degreasers
- Low Foaming Cleaners
- Car Wash
- Oven Cleaners

Typical  
Properties

Appearance at 25°C.....	Clear liquid	Actives, % .....	37.5
Solids, % .....	44	Sodium Chloride, %.....	6.5
pH, (10% aqueous).....	6	Color, Gardner .....	2
Freeze Point, °C (°F).....	-15 (5)	Density, g/ml (lbs/U.S. gal).....	1.04 (8.7)
RVOC, U.S. EPA, % .....	0	Flash Point (PMCC), °C (°F) .....	>94 (>201)
Preservative .....	DMDM Hydantoin		

Biodegradability

Product is biodegradable. Additional information is available upon request.

Toxicity

AMPHOSOL 810-B is slightly to practically non-toxic orally (LD<sub>50</sub> = 5 g/kg) and causes moderate eye and mild skin irritation at 10% active.

Storage &  
Handling

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling AMPHOSOL 810-B. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that AMPHOSOL 810-B be stored in sealed containers and kept at temperatures between 39°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.

Standard Packaging: AMPHOSOL 810-B is available in bulk and 55 gallon drums (net weight 450 lb/204 kg).

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



Clearances

All components of AMPHOSOL 810-B are listed in the following countries, the registration number for the active ingredients is included in parentheses: Europe (EINECS 277-600-6 and 277-599-2) and United States (TSCA 73772-46-0, 73772-45-9).

Formulations

#### Facial Cleanser & Toner (Formulation #948)

<u>Ingredients</u>	<u>Wt. % (as is)</u>	<u>Function</u>
D.I. Water	q.s. to 100	Carrier
Versene 200 ( <i>Dow Chemical</i> )	0.20	Chelating Agent
ISP Sutton Allantoin ( <i>Sutton Labs</i> )	0.25	Conditioning Agent
Glycerin	1.00	Humectant
AMPHOSOL 810-B	5.00	Surfactant
Actiphyte of Roman Chamomile BG50 ( <i>Active Organics, Inc.</i> )	q.s.	Conditioning Agent
Fragrance, Dye, Preservative	q.s.	Additive
Citric Acid	q.s.	Additive
Sodium Hydroxide	q.s.	Additive

#### Mixing Procedures:

Combine all ingredients into a suitable container. Mix at 25°C until clear and homogeneous. Adjust pH with Citric Acid or Sodium Hydroxide.

#### Physical Properties:

Appearance at 25°C .....	Clear liquid
pH, as is .....	5.0-5.5
Viscosity at 25°C, cps .....	Thin Liquid

#### Storage Stability

4 months at 25°C .....	Stable
1 month at 42°C .....	Stable
2 weeks at 50°C .....	Stable

Additional  
Safety  
Information

A Material Safety Data Sheet is available upon request.

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