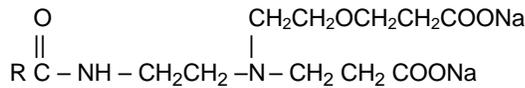


## Product Bulletin

Product Name

### AMPHOSOL<sup>®</sup> 2CSF

Chemical Structure



R = coco

Chemical Description

Disodium cocoamphodipropionate is a mild amphoteric surfactant.

CAS Registry No.

68604-71-7

INCI Name

Disodium Cocoamphodipropionate

Applications

Functional Properties

- Secondary surfactant
- Foam booster
- Viscosity builder
- Compatible with anionics, nonionics and cationics

End Product Uses

- |                         |  |
|-------------------------|--|
| • Neutralizing Shampoos | • Steam Cleaners for Carpet Extraction |
| • Conditioning Shampoos | • Hard Surface Cleaners                |
| • Ethnic Shampoos       | • Wax Strippers                        |
| • Skin Cleansers        | • Metal Cleaners                       |

Typical Properties

Appearance at 25°C.....	Clear liquid	Color, Gardner .....	7
Solids, % .....	39	Density, g/ml (lbs/U.S. gal) .....	1.05 (8.75)
pH, as is .....	9	RVOC, U.S. EPA, % (methanol) .....	4-6
Freeze Point, °C (°F).....	-7 (19)	Preservative .....	Not required

Biodegradability

Product is biodegradable. Additional information is available upon request.

Toxicity

Non-irritating to the eyes at concentration of 5% active (Draize OECD 405), and to the skin at a concentration of 10% active (Draize OECD 404).

Storage & Handling

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling AMPHOSOL 2CSF in its concentrated form. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that AMPHOSOL 2CSF be stored in sealed containers and kept at temperatures between 50°F (10°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 2CSF is available in bulk and 55 gallon drums (net weight 450 lb/ 204 kg).

Clearances

All components of AMPHOSOL 2CSF are listed in the following countries, the registration number for the active ingredient is included in parentheses: Europe (EINECS 271-704-5), United States (TSCA 68604-71-7) and Canada (DSL 68604-71-7).

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



Formulation

**Makeup Remover (Formulation# 888)**

This formulation cleans the face from make-up and leaves a smooth after-feel on the skin.

<b><u>Ingredients</u></b>	<b><u>Wt. % (as is)</u></b>	<b><u>Function</u></b>
AMPHOSOL 2CSF	10.0	Surfactant
Propylene Glycol	35.0	Humectant
Glycerin	25.0	Humectant
Pluracol E400 (BASF) PEG-8	30.0	Humectant

**Mixing Procedures:**

Combine all ingredients in a vessel. Mix well until clear and homogeneous.

**Physical Properties:**

Appearance at 25°C..... Clear liquid  
 Viscosity at 25°C ..... Very thin

**Stability:**

3 months at 25°C ..... stable  
 1 month at 42°C ..... stable  
 1 week at 50°C ..... stable

Additional  
Safety  
Information

A Material Safety Data Sheet is available upon request.

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