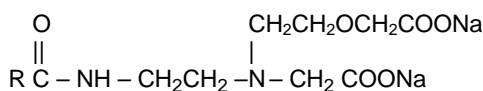


Product Bulletin

Product Name

AMPHOSOL[®] 2C

Chemical Structure



R = coco

Chemical Description

Disodium cocoamphodiacetate is a mild amphoteric surfactant.

CAS Registry No.

68650-39-5

INCI Name

Disodium Cocoamphodiacetate

Applications

Functional Properties

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

End Product Uses

- | | |
|-----------------|-------------------|
| • Bubble Baths | • Hand Soaps |
| • Body Washes | • Facial Washes |
| • Shampoos | • Shower Gels |
| • Baby Products | • Ethnic Products |
| • Pet Shampoos | |

Typical Properties

Appearance at 25°C.....	Clear liquid	Actives, %	38.0
Solids, %	50	Sodium Chloride, %.....	11.5
pH, as is	9	Color, Gardner	3
Freeze Point, °C (°F).....	-15 (5)	Density, g/ml (lbs/U.S. gal).....	1.091 (9.1)
RVOC, U.S. EPA, %	0	Preservative	DMDM Hydantoin

Environmental Effects

Product is biodegradable. Additional information is available upon request.

Health Effects

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 2C 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 2C 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 2C is available in bulk and 55 gallon drums (net weight 450 lb/204 kg).

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 practices should be used to control these exposures.

AMPHOSOL[®], STEOL[®] and STEPANATE[®] are registered trademarks of Stepan Company.



Clearances

All components of AMPHOSOL 2C are listed in the following countries, the registration number for the active ingredients is included in parentheses: ClearancesAll components of AMPHOSOL 2C are listed in the following countries, the registration number for the active ingredients is included in parentheses: United States (TSCA 68650-39-5), Canada (DSL 68650-39-5), Australia (AICS 68650-39-5), China (IECSC 68650-39-5), Europe (EINECS 272-043-5), Korea (ECL Serial No. KE-20947), New Zealand (NZIoC 68650-39-5), and Philippines (PICCS 68650-39-5). It is the responsibility of the end user to review the chemical control regulations for each country.

Formulation

Moisturizing Body Wash
(Formulation #884)

<u>Ingredients</u>	<u>Wt. % (as is)</u>	<u>Function</u>
D.I. Water	q.s. to 100.0	Solvent
STEOL [®] CS-230	27.0	Primary Surfactant
AMPHOSOL HCA	10.0	Secondary Surfactant
AMPHOSOL 2C	5.0	Secondary Surfactant
Glycerin	4.6	Humectant
STEPANATE [®] SXS	2.3	Hydrotrope
AHCare G-60 (Cognis) Glycolic Acid	7.0	Moisturizing Agent
Preservative, Dye, Fragrance	q.s.	Additives
Citric Acid	q.s.	pH Adjuster
Sodium Hydroxide	q.s.	pH Adjuster
Sodium Chloride	q.s.	Viscosity Adjuster

Mixing Procedures:

Into a suitable vessel equipped with mixing capabilities, combine first six ingredients. Mix well at room temperature. Add AHCare G-60. Mix slowly. Add Preservative, Dye and Fragrance. Adjust pH with Citric Acid or Sodium Hydroxide, and viscosity with Sodium Chloride, if necessary.

Physical Properties:

Appearance at 25°C..... Clear, water-white
pH, as is..... 4.0 – 4.5
Viscosity, cps at 25°C 5,500 – 6,000

Product Stewardship

This product bulletin has been written in accordance with ACC’s Product Stewardship guidelines.

Additional Safety Information

A Material Safety Data Sheet is available upon request.

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