### AMPHOSOL® 1C

**Chemical Name:** Sodium cocoamphoacetate  
**Chemical Structure:**

\[
\begin{array}{c}
\text{O} \\
\text{CH}_2\text{CH}_2\text{OH} \\
\text{R} \cdot \text{N} - \text{CH}_2\text{CH}_2\text{N} - \text{CH}_2 \text{COONa}
\end{array}
\]

R = coco

**Chemical Description:** Sodium cocoamphoacetate is a mild amphoteric surfactant.

**CAS Registry No.:** 68608-65-1  
**INCI Name:** Sodium Cocoamphoacetate

**Applications**

- 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

**Typical Properties**

- **Appearance at 25 °C:** Clear liquid  
- **Solids, %:** 44  
- **pH, 10% aqueous:** 9  
- **Freeze Point, °C (°F):** -15 (5)  
- **Sodium Chloride, %:** 6.5  
- **Color, Gardner:** 3  
- **Density, g/ml (lbs/U.S. gal):** 1.02 (8.5)  
- **RVOC, U.S. EPA, %:** 0  
- **Preservative:** DMDM Hydantoin

**Biodegradability**

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

**Toxicity**

AMPHOSOL 1C is practically non-toxic orally (LD50 ranging from 15.9-28 ml/kg) and causes minimal eye irritation at 16% active. Non-irritating and non-sensitizing at a concentration of 10% active in a repeated insult patch test on 141 subjects.

**Storage & Handling**

- Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling AMPHOSOL 1C 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 1C 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 1C is available in bulk and 55 gallon drums (net weight 450 lb/204 kg).

**Clearances**

- All components of AMPHOSOL 1C are listed in the following countries, the registration number for the active ingredients is included in parentheses: Europe (EINECS 271-793-0), United States (TSCA 68608-65-1) and Canada (DSL 68608-65-1).

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

A Safety Data Sheet is available upon request.

The information contained herein is based on the manufacturer’s own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents or to violate any applicable laws. STEPAN COMPANY MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, AND NO WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE, INCLUDING REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, ADEQUACY OR OTHERWISE. Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party in respect of this information, including in respect of its accuracy, completeness, adequacy, furnishing, use, or reliance upon, and the vendee assumes and releases Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise to the fullest extent possible under the relevant law.