

Formulation

Name	FOAMING HAND SOAP TABLET	
No.	1436	
Description	A base recipe for creating a sulfate-free, foaming hand soap tablet. This formulation is ready to be customized to meet performance needs.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 === Sodium Carbonate	21.671 Absorbent
	=== Phase 2 === NINOL® CAA Peach Bilini Concentrate (Belle Aire Creations)	2.500 Solubilizer, Binder 1.500 Fragrance
	=== Phase 3 === Preservative Versene™ 100 Chelating Agent (The Dow Chemical Company) Tetrasodium EDTA	q.s. Preservative 0.03 Chelating Agent
	=== Phase 4 === BIO-TERGE® AS-90 BEADS	34.299 Primary Surfactant
	=== Phase 5 === Citric Acid	40.000 pH Adjuster
	Total	100.000
Procedure	<ol style="list-style-type: none"> 1. Add Phase 1 ingredients to the main tank. 2. Premix Phase 2 ingredients in an auxiliary tank until clear to slightly hazy. 3. Add contents of auxiliary tank to the main tank with mixing. Mix until evenly distributed and a grainy paste is obtained. 4. Add Phase 3 ingredients to the paste in the main tank with mixing. Mix until the paste is uniform. 5. Add Phase 4 ingredients to the main tank with mixing, and mix until uniform. 6. To ensure even distribution, after the batch is uniform, pass through a sieve 3 times to ensure uniformity. 7. Add Phase 5 ingredients to the main tank and mix until uniform. 8. Compress the dry blend in the preferred compression dye within 6 hours of completing the blend. 	
Physical Properties	Appearance, as is (before compression) Color of mixture (before compression) pH, 6% aqueous Moisture, %	Powder with fluffy granules Off-white to light cream 4.0 - 5.0 (Target: 4.5) 3.0
Storage/ Stability	1 month at 25°C (6.0% solution) 1 month at 40°C (6.0% solution) 1 month at 5°C (6.0% solution) Freeze/Thaw, 3 cycles (6.0% solution)	Stable Stable Stable Pass

Instructions
for Use

Compact into 16 gram tablets and dissolve in 240 mL of warm water (approximately 50°C (122°F)).
Dispense from an foaming pump for regular use.

External
Comment

Marketing Notes:

Registered
Trademarks
of Stepan
Company

NINIOL®
BIO-TERGE®

For
Additional
Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or +33 476 505 100 (Europe).
For ordering assistance, call our Account Service Department at 1-800-457-7673.

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. **STEPAN COMPANY MAKES NO PRODUCT WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, EXPRESS OR IMPLIED, AND NO OTHER WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE, INCLUDING AS TO INFORMATION REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, OR ADEQUACY.** Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party for any direct, indirect, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, furnishing, use, or reliance upon information provided herein. 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.

Stepan 

Stepan Company
Northbrook, Illinois 60062
Telephone (847) 446-7500

Revision Date: 03/18/2022 Publication Date: 03/18/2022 © 2022, Stepan Company. All rights reserved.