



Formulation

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| Name | SHOWER & BATH GEL | |
| No. | 645 | |
| Description | This gel can be used in the bath or shower to produce high quality foam for that "squeaky clean" feel. | |
| Formulation | <u>INGREDIENTS:</u> | <u>% by Weight</u> |
| | === Phase 1 === | |
| | Deionized Water | q.s. to 100.0 |
| | STEOL® CS-330 | 57.70 |
| | NINOL® 30-LL | 3.50 |
| | AMPHOSOL® CG | 5.00 |
| | Versene 100 (Dow Chemical) Tetrasodium EDTA | 0.20 |
| | Glycerin | 0.50 |
| | === Phase 2 === | |
| | Citric Acid 50% active | q.s. |
| | Fragrance, Dye, Preservative | q.s. |
| | Sodium Chloride | q.s. |
| | Total | 100.0 |
| Procedure | Add ingredients in Phase 1 and mix well until homogeneous. Adjust pH to about 5.5–6.5 with Citric Acid. Add Fragrance, Dye, and Preservative. Adjust viscosity with Sodium Chloride if necessary. | |
| Physical Properties | Appearance | Clear liquid |
| | pH | 5.5–6.5 |
| | Viscosity | |
| | as is (w/o salt): | 300-600 cps |
| | with 0.25% NaCl | 11,000 cps |
| | % Solids | 23.5% |
| Storage/ Stability | 6 weeks at room temperature | Stable |
| | 6 weeks at 40°F | Stable |
| | 6 weeks at 110°F | Stable |
| | 6 weeks at 120°F | Stable |
| | 3 freeze/thaw cycles | Pass |
| | Good flash foamer | |
| Registered Trademarks of Stepan Company | STEOL® NINOL® AMPHOSOL® | |
| For Additional Assistance | For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe). For ordering assistance, call our Account Service Department at 1-800-457-7673. | |
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