

Name ECONOMY ULTRA HEAVY-DUTY LIQUID - LAS/AES/AE

905 No.

Description Economy heavy-duty liquid laundry detergent with LAS, AES, and AE

Formulation **INGREDIENTS:** % by Weight

> NaOH, 50% Solution 0.84 STEOL® CS-330 11.89 BIO-SOFT® S-101 3.20 STEPANATE® SXS 0.70 BIO-SOFT® N25-7 3.34 Sodium Carbonate 0.60 Sodium Chloride 1.25 Water, Fragrance, Dye, and Preservative q.s. to 100.00

> Total 100.0

Procedure Mix Water, NaOH, and STEPANATE® SXS. Slowly add BIO-SOFT® S-101. Adjust pH with additional

> NaOH, if necessary. Continue mixing and add Sodium Carbonate. When Sodium Carbonate is dissolved, add STEOL® CS-330. Add BIO-SOFT® N25-7. Heat gently if necessary to completely solubilize BIO-SOFT® N25-7. Add remaining ingredients. Continue stirring until blend is well mixed.

Physical Appearance at 25°C Clear liquid

Properties pH, as is 11.1

Viscosity at 25°C, cps 150-200 Specific Gravity, g/ml 1.02

Storage/ Stability at 5°C for 1 Month **Pass**

Stability Stability at 40°C for 1 Month Pass

Stability at Room Temperature for 1 Month Pass Freeze/Thaw, 3 Cycles **Pass**

Instructions Use ½ cup per normal-size wash load.

for Use

Registered **BIO-SOFT® Trademarks STEPANATE®** of Stepan **STEOL®** Company

Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or For 011-334-76-505-100 (Europe). Additional

For ordering assistance, call our Account Service Department at 1-800-457-7673.

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.



Stepan Company Northfield, Illinois 60093 Telephone (847) 446-7500

Revision Date: 08/17/2007 Origination Date: © 2007, Stepan Company. All rights reserved.