

Name **ULTRA HAND DISHWASHING DETERGENT**

173 No.

Description Ultra hand dishwashing detergent derived from oleochemical resources that are biodegradable

Formulation **INGREDIENTS:** % by Weight

> Deionized Water 6.9 ALPHA-STEP® MC-48 56.0 STEOL® CS-330 30.0 NINOL® 30-LL 5.6 Sodium Chloride 1.5

> **Total** 100.0

Charge water. Add ALPHA-STEP® MC-48 and STEOL® CS-330 and mix. Add NINOL® 30-LL or Procedure

40-CO and mix until homogeneous. Slowly add Sodium Chloride to thicken. Mix until clear. Adjust pH

with sulfuric acid or sodium hydroxide as necessary.

Physical Appearance at 25°C Clear yellow liquid

Properties pH, as is 6.5-7.5 Viscosity at 25°C, cps 220

> Solids, % 39-40 Density, lbs/gal. 8.8 Flash point, °F >200

Storage/ Freeze/thaw, 3 cycles **Pass**

Stability Storage at 4°C, 2 weeks **Pass**

Instructions NOTE: NINOL 40-CO (Cocamide DEA) can be substituted for NINOL® 30-LL (Lauryl Diethanolamide). for Use Squirt small amount into sink and fill with warm/hot water.

Registered **ALPHA-STEP®**

Trademarks **STEOL®** of Stepan **NINOL®** Company

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. Assistance

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