

Name

I&I ALL-PURPOSE CLEANER ULTRA CONCENTRATE

No.

1174

Description

This Industrial and Institutional all-purpose cleaner is an ultra concentrate dilutable down to 1 ounce per gallon. It is a blend of anionic and nonionic surfactants that when diluted, effectively removes general particulate and oily soils. Its mild alkalinity makes it safe for many types of surfaces.

Formulation INGREDIENTS:

% by Weight Functionality

BIO-SOFT® N91-6 5.0 Emollient BIO-SOFT® D-40 39.4 Anionic Agent **BIO-TERGE® PAS-8S** 5.0 Hydrotrope Sodium Citrate 0.6 Builder **Deionized Water** 50.0 Diluent

Total

100.0

Procedure

- 1. Charge Deionized Water.
- 2. With good agitation, dissolve Sodium Citrate.
- 3. Blend in BIO-TERGE® PAS-8S and BIO-SOFT® D-40.
- 4. Slowly blend in BIO-SOFT® N91-6.
- 5. Mix until homogenous.

Physical **Properties** Appearance, as is pH, as is Viscosity at 25°C

Clear liquid 7.8 - 8.5Water thin

Storage/ Stability

Freeze thaw, 3 cycles 25°C (1 month)

Pass Pass

50°C (1 month)

Pass Pass

4°C (cold storage, 1 month)

Instructions for Use

For light, general maintenance cleaning, dilute 1:128 or 1 ounce/gallon. Spray onto surface and wipe with a clean cloth.

Test Method: Gardner Straightline Test, SM 250-0 (ASTM D4488-95-A5), ASTM Book of Standards, Volume 15.04, D4488-95, Section A5

Dilution Results (1:128): 72% soil removed

External Comment

Marketing Notes: BIO-SOFT® N91-6, BIO-SOFT® D-40 and BIO-TERGE® PAS-8S are approved ingredients on www.cleangredients.org. For further information, visit www.cleangredients.org or Stepan's website. This formulation does not contain Nonylphenol Ethoxylates (NPEs).

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BIO-SOFT® BIO-TERGE®

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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