INSTITUTIONAL, FOAMY, ALL-PURPOSE CLEANER CONCENTRATE

No. 1201

Description
This institutional all-purpose cleaner is an ultra concentrate which when diluted, effectively removes typical soil build up. Its "lacy" foam facilitates product cling on vertical surfaces. Because of its neutral pH, it can be used on a variety of surfaces.

Formulation

INGREDIENTS: % by Weight  Functionality

Deionized Water  25.8  Diluent
Sodium Citrate  0.6  Builder
BIO-SOFT® D-40  26.2  Anionic Agent
STEOL® CS-460  17.4  Anionic Agent
BIO-TERGE® PAS-8S  20.0  Hydrotrope
STEPOSOL® MET-10U  10.0  Surfactant/Solvent

Total  100.0

Procedure
1. Charge Deionized Water.
2. With good agitation, dissolve Sodium Citrate.
4. Slowly blend in STEOL® CS-460.
5. When clear, add BIO-TERGE® PAS-8S.
6. When clear, add STEPOSOL® MET-10U.
7. Mix until homogenous.

Physical Properties

Appearance at 25ºC  Clear liquid
pH, as is  6.5
Viscosity at 25ºC, cps  Water thin
VOC at 1:64 dilution (calculated), %  0.05

Storage/ Stability

Freeze/thaw, 3 cycles  Pass
4 weeks at 50ºC  Pass
4 weeks at 4ºC  Pass
4 weeks at 25ºC  Pass

Instructions for Use
To clean lightly soiled surfaces, dilute 1:128 (1 ounce/gallon). Spray onto surface and then wipe with a clean cloth. To remove greasy/grimy soils, dilute up to 1:16 (8 ounces/gallon). Spray onto surface. Allow to penetrate for 1–5 minutes, then wipe with a clean cloth.

SM 010-D: Shake Foam volume at 1:64 dilution (2 ounces/gallon) with 150 ppm water is 400+/400+ mL at 0/5 minutes.

External Comment
Marketing Notes: Please refer to the Safety Data Sheet for global regulatory information. It is the responsibility of the end user to review the chemical control regulations for each country. BIO-SOFT® D-40 and BIO-TERGE® PAS-8S are approved ingredients on www.cleangredients.org. For further information, visit www.cleangredients.org. At the
recommended dilutions, this formulation meets the California Air Resource Board (CARB) VOC regulation for non-aerosol general purpose cleaners (0.5% VOC limit as of December 31, 2012). For U.S. formulators, STEPOSOL® MET-10U is a low vapor pressure VOC (LVP-VOC), therefore its contribution to the VOC calculation is zero. STEPOSOL® MET-10U does not contribute to the VOC calculation because of its high boiling point and low vapor pressure.

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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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