



Formulation

Name	INSTITUTIONAL LOW FOAM, ALL-PURPOSE CLEANER CONCENTRATE	
No.	1214	
Description	This concentrated all-purpose cleaner provides low, controlled foam. The nonionic-solvent combination quickly penetrates oily soils.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	64.5 Diluent
	Sodium Citrate	0.5 Builder
	BIO-SOFT® N91-6	10.0 Emulsifier
	BIO-TERGE® PAS-8S	20.0 Hydrotrope
	STEPOSOL® MET-10U	5.0 Surfactant/Solvent
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge Deionized Water and BIO-TERGE® PAS-8S. 2. With good agitation, dissolve Sodium Citrate. 3. Blend in BIO-SOFT® N91-6. 4. Once clear, add STEPOSOL® MET-10U. 5. Mix until homogenous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	6.5
	Viscosity at 25°C, cps	Water thin
	VOC, concentrated (calculated), %	0.8
	VOC, diluted 1:16 (calculated), %	0.04
	VOC, diluted 1:65 (calculated), %	0.01
Storage/Stability	Freeze/thaw, 3 cycles	Pass
	4 weeks at 50°C	Pass
	4 weeks at 4°C	Pass
	4 weeks at 25°C	Pass
Instructions for Use	<p>For light general maintenance cleaning, dilute 1:64 (2 ounces/gallon). Spray onto surface wipe with a clean cloth. For extra tough greasy and grimy soils, dilute 1:16 (8 ounces/gallon).</p> <p>SM 010-D: Shake Foam volume at 1:64 dilution with 150 ppm water is 250 mL/150 mL at 0/5 minutes.</p>	
External Comment	<p>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® N91-6 and BIO-TERGE® PAS-8S are approved ingredients on www.cleangredients.org. For further information, visit www.cleangredients.org. 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.</p>	
Registered	BIO-SOFT®	

Trademarks
of Stepan
Company

BIO-TERGE®
STEPOSOL®

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.

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 

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

Revision Date: Publication Date: 03/18/2014 © 2014, Stepan Company. All rights reserved.