



Formulation

| | | |
|----------------------|---|--|
| Name | HOUSEHOLD ALL-PURPOSE CLEANER | |
| No. | 1199 | |
| Description | This mildly alkaline spray-and-wipe formulation is a fast-acting cleaner that quickly penetrates and removes oily soils. | |
| Formulation | INGREDIENTS: | <u>% by Weight</u> <u>Functionality</u> |
| | Deionized Water | 98.1 Diluent |
| | BIO-SOFT® N91-6 | 0.4 Emulsifier |
| | BIO-SOFT® D-40 | 1.0 Anionic Agent |
| | STEPOSOL® MET-10U | 0.3 Surfactant |
| | Sodium Citrate | 0.2 Builder |
| | Preservative, Fragrance, and Dye | q.s. Additives |
| | Total | 100.0 |
| Procedure | <ol style="list-style-type: none"> 1. Charge Deionized Water. 2. With good agitation, slowly blend in BIO-SOFT® N91-6. 3. Once clear, add BIO-SOFT® D-40. 4. Once blended, add Sodium Citrate. 5. When dissolved, add STEPOSOL® MET-10U. 6. Add Preservative and Dye. 7. Mix until homogenous. | |
| Physical Properties | Appearance at 25°C | Clear liquid |
| | pH, as is | 7.5 |
| | Viscosity at 25°C, cps | Water thin |
| | VOC (calculated), % | 0 |
| 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 | Use as is. Spray onto surface and wipe clean. | |
| | Gardner Straightline Washability Test, SM 250-0 (ASTM D4488-95-A5), 80% soil removal at Stroke 1 and 90% soil removal at Stroke 3. | |
| 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-SOFT® D-40 are approved ingredients on www.cleangredients.org. For further information, visit our website or www.cleangredients.org. When used "as is" as a general purpose degreaser, this formulation is VOC-compliant with California Air Resource Board (CARB) Consumer Products 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</p> | |

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.

Registered
Trademarks
of Stepan
Company

BIO-SOFT®
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: © 2014, Stepan Company. All rights reserved.