



## Formulation

Name	<b>HEAVY-DUTY READY-TO-USE DEGREASER</b>	
No.	1204	
Description	This high-active general purpose degreaser combines an effective nonionic Alcohol Ethoxylate with an amide (STEPOSOL® MET-10U) that provides solvo-surfactant properties to quickly cut through grease without the use of traditional glycol solvents. This formulation can also be used as a laundry pre-spotter. All ingredients are readily biodegradable.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight    Functionality</u>
	Deionized Water	81.0 Carrier
	BIO-TERGE® PAS-8S	10.0 Hydrotrope
	BIO-SOFT® N1-7	5.0 Emulsifier, Cleansing Agent
	STEPOSOL® MET-10U	4.0 Surfactant/Solvent
	Fragrance, Preservative, and Dye	q.s. Additives
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"><li>1. Charge Deionized Water.</li><li>2. With good agitation, blend in BIO-TERGE® PAS-8S.</li><li>3. When clear, add BIO-SOFT® N1-7.</li><li>4. Once clear, add STEPOSOL® MET-10U.</li><li>5. Add Fragrance, Preservative and Dye as needed.</li><li>6. Mix until homogenous.</li></ol>	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	5-6
	Viscosity at 25°C, cps	Water thin
	VOC (calculated), %	0.4
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. Apply to surface and then wipe with a clean cloth.	
External Comment	Marketing Notes: Formulation is VOC compliant with U.S. Federal and all State VOC standards for Non-aerosol General Purpose Degreasers as of January 2019. 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.	
Registered Trademarks of Stepan Company	BIO-TERGE® 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.

The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents. **STEPAN COMPANY MAKES NO PRODUCT WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, EXPRESS OR IMPLIED, AND NO OTHER WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE, INCLUDING AS TO INFORMATION REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, OR ADEQUACY.** Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party for any direct, indirect, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, furnishing, use, or reliance upon information provided herein. The vendee assumes and releases Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise to the fullest extent possible under the relevant law.



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

Revision Date: 04/02/2019    Publication Date: 03/18/2014    © 2019, Stepan Company. All rights reserved.