



Formulation

Name	HEAVY-DUTY READY-TO-USE DEGREASER	
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</u> <u>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
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge Deionized Water. 2. With good agitation, blend in BIO-TERGE® PAS-8S. 3. When clear, add BIO-SOFT® N1-7. 4. Once clear, add STEPOSOL® MET-10U. 5. Add Fragrance, Preservative and Dye as needed. 6. Mix until homogenous. 	
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.

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