



Formulation

Name	WHEEL CLEANER USING STEPOSOL® CITRI-MET	
No.	1265	
Description	This formulation, made by diluting STEPOSOL® CITRI-MET with a solution of Monoethanolamine (MEA)-neutralized Thioglycolic Acid, removes brake dust and road residue from vehicle wheels.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	STEPOSOL® CITRI-MET	50.0 Degreaser
	Soft Water or Deionized Water	35.5 Diluent
	Monoethanolamine (MEA)	5.5 Buffer
	Thioglycolic Acid	9.0 Cleansing Agent
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge Soft Water or Deionized Water in mixing vessel. 2. Mix in STEPOSOL® CITRI-MET until homogeneous. 3. Mix in MEA until homogeneous. 4. Mix in Thioglycolic Acid until homogeneous. 5. Adjust pH with MEA or Thioglycolic Acid if needed. 	
Physical Properties	Appearance	Straw Colored to yellow liquid
	pH, as is	6 - 8
	Viscosity at 25 °C, cps	< 50
Storage/Stability	4 Weeks at 4 °C	Stable
	4 Weeks at 25 °C	Stable
	4 Weeks at 50 °C	Stable
	3 Freeze/Thaw cycles	Pass
Instructions for Use	<p>Spray on surface of the wheel with a spray bottle or from aerosol can. Rinse off after 30 to 60 seconds with a stream of water or a power washer. Repeat if needed.</p> <p>Removes brake dust and road residue when used as directed. For this application, several minutes is a typical wait time for the cleaner to work, therefore anything under 1 minute is considered "rapid." All spots tested on wheel covers were evenly covered with this brake dust/road residue prior to testing.</p>	
External Comment	<p>Marketing Notes: STEPOSOL® CITRI-MET is a concentrated blend designed to be diluted. Dilution with an alkaline buffer (such as MEA) and adjustment to a near neutral pH with Thioglycolic Acid creates a rapidly acting wheel cleaner that works in one minute or less. Odor from the Thioglycolic Acid-MEA salt is minimized with use of STEPOSOL® CITRI-MET. STEPOSOL® CITRI-MET as manufactured and sold by Stepan is self-preserved. Because equipment and water quality used for dilution can potentially introduce additional microbial challenges, it is the responsibility of the customer to confirm adequate antimicrobial preservation for formulations containing STEPOSOL® CITRI-MET.</p>	
Registered	STEPOSOL®	

Trademarks
of Stepan
Company

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 or to violate any applicable laws. **STEPAN COMPANY MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, AND NO WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE, INCLUDING REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, ADEQUACY OR OTHERWISE.** Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party in respect of this information, including in respect of its accuracy, completeness, adequacy, furnishing, use, or reliance upon, and the vendee assumes and releases Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise.



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

Revision Date: 06/06/2017 Publication Date: 05/03/2017 © 2017, Stepan Company. All rights reserved.