



## Formulation

Name	FINISHED WOOD AND PAINTED SURFACE RESTORER USING STEPOSOL® CITRI-MET		
No.	1257		
Description	This formulation, made by diluting STEPOSOL® CITRI-MET, can help restore many worn, aged finished wood surfaces such as floors and furniture. At the dilution of this formulation, it is just strong enough to soften a surface's top layer of gloss coating in 1 to 2 minutes dwell time, providing deep cleaning of embedded soil. This also helps to fill in damaged and worn areas when spread around and left to dry. This formulation works on all surfaces that are softened by STEPOSOL® CITRI-MET, such as industrial or oil-based painted surfaces, or finished wood surfaces. By softening the upper portion of the coating, STEPOSOL® CITRI-MET allows for deep cleaning of embedded dirt.		
Formulation	INGREDIENTS:	% by Weight	Functionality
	STEPOSOL® CITRI-MET	6.67	Solvent
	Soft Water or Deionized Water	93.33	Diluent
	Total	100.00	
Procedure	1. Charge Soft Water or Deionized Water in mixing vessel. 2. Mix in STEPOSOL® CITRI-MET until homogeneous.		
Physical Properties	Appearance at 25 °C	Clear to light straw-colored liquid	
	pH, as is	10.5-11.0	
	Viscosity at 25 °C, cps	< 50	
	RVOC, %	0.5	
	Flash Point (PMCC), °C (°F)	82 (180)	
Storage/ Stability	4 Weeks at 4 °C	Stable	
	4 Weeks at 25 °C	Stable	
	4 Weeks at 40 °C	Stable	
	4 Weeks at 50 °C	Stable*	
	3 Freeze/Thaw Cycles	Pass	
Instructions for Use	Test on a small inconspicuous area before use. Apply generously across the surface, including less worn areas. Allow to dwell 1 to 2 minutes, then wipe the entire surface to deep clean. For best restored finish, repeat application and 1 to 2 minute dwell time. Wipe gently with non-absorbent gloved hand with even strokes. Leave the surface wet to dry on its own for 10-60 minutes.  STEPOSOL® CITRI-MET can provide visual restorative effects to aged or worn finished wood and industrial or oil-based painted surfaces. Once STEPOSOL® CITRI-MET is applied as directed to a suggested surface, the top layer can exhibit properties allowing for redistribution of the coating, sometimes resulting in a renewed appearance. Note that some surfaces have more or less gloss coat, with varying degrees of age and hardness. Test a small area first and adjust the amount of dwell time, more or less, for best results. A few surfaces have coatings that are hardened, and not softened by this formulation, not be able to be restored with a water-based product.		
External			

Comment

STEPOSOL® CITRI-MET is a concentrated blend designed to be diluted. For consumer retail products, the manufacturer should dilute STEPOSOL® CITRI-MET using Deionized Water or Soft Water to ensure the best clarity. When this formulation is used "as is" as a nonaerosol hard surface cleaner, this formulation is VOC-compliant with California Air Resource Board; (CARB) Consumer Products regulation for nonaerosol furniture maintenance products (3% VOC limit as of December 31, 2006). STEPOSOL® CITRI-MET as manufactured and sold by Stepan is self-preserved. Since 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. \*Note: The cloud point of this formulation is 44 °C (111 °F), therefore at 50 °C, the formulation will become hazy. The formulation will fully recover to clarity when below the cloud point.

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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).  
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