



# Formulation

Name	<b>GRAFFITI REMOVER WITH STEPOSOL® CITRI-MET</b>	
No.	1239	
Description	This formulation is made by diluting STEPOSOL® CITRI-MET down to an 87% water-based cleaner, which can remove spray paint graffiti from hard surfaces.	
Formulation	<b>INGREDIENTS:</b>	<b>% by Weight    Functionality</b>
	Deionized Water or Soft Water	80.0 Diluent
	STEPOSOL® CITRI-MET	20.0 Solvent
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Charge Deionized Water or Soft Water in a mixing vessel.</li> <li>2. Mix in STEPOSOL® CITRI-MET until homogeneous.</li> </ol>	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	10.8-11.5
	Viscosity at 25°C, cps	< 50
	Flash Point (PMCC), °C (°F)	62 (144)
	RVOC, %	1.5
Storage/ Stability	Freeze/thaw, 3 cycles	Pass
	4 weeks at 25°C	Stable
	4 weeks at 4°C	Stable
	4 weeks at 40°C	Stable
	4 weeks at 50°C	Stable
Instructions for Use	<p>Test on a small inconspicuous area before use. Apply to graffiti covered surface. Wipe or brush off after 10 minutes. Repeat if needed.</p> <p>Removes &gt; 90% of dried spray paint after 10 minutes contact time followed by wiping. For thick graffiti, a longer time dwell time or repeat use may be required. Porous surfaces such as concrete, should be brushed after application. A dilution of 1:1 to 1:3 solutions can increase the speed of removal.</p>	
External Comment	<p>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. For industrial use, on-site water can be used. Hard water may produce haze, but will not affect cleaning performance. When this formulation is used "as is" as a graffiti remover, this formulation is VOC-compliant with California Air Resource Board (CARB) Consumer Products regulation for nonaerosol graffiti removers (30% 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.</p>	
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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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