



Formulation

Name	GRAFFITI REMOVER CONCENTRATE	
No.	1219	
Description	As is, this concentrate removes graffiti. When diluted with water, it can remove spray and latex paints.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	BIO-SOFT® N91-6	50.0 Emulsifier
	STEPOSOL® MET-10U	25.0 Surfactant/Solvent
	Monoethanolamine (Dow)	25.0 Buffer
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge BIO-SOFT® N91-6 in mixing vessel. 2. Blend in STEPOSOL® MET-10U. 3. Add Monoethanolamine. 4. Mix until homogenous. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, diluted 1:4	11.5 – 11.8
	Viscosity (as is) at 25°C, cps	<100
	VOC, concentrate (calculated), %	25.0
	VOC, diluted 1:4 (calculated), %	5.0
Storage/Stability	Freeze/thaw, 3 cycles	Pass
	1 month at 50°C	Pass
	1 month at 25°C	Pass
	1 month at 4°C	Pass
Instructions for Use	For tough graffiti-removal tasks, apply as is to surface. Allow to penetrate 15 minutes. Wipe, scrape or brush off. Rinse if desired. For removal of spray and latex paints, dilute 1:2 – 1:4. Apply to surface. Allow to penetrate 15 minutes. Wipe, scrape or brush off. Rinse. Diluted formulations will have cloud points <50°C, which can be raised with a standard hydrotrope such as STEPANATE® SXS, if desired.	
External Comment	<p>Marketing Notes: Please refer to the Safety Data Sheet for global regulatory information. It is the responsibility of the end user to review the chemical control regulations for each country. BIO-SOFT® N91-6 is an approved ingredient on www.cleangredients.org. For further information, visit www.cleangredients.org. When used as a graffiti remover, this formulation is VOC-compliant with California Air Resource Board (CARB) Consumer Products regulation for graffiti removers (30% VOC limit as of December 31, 2006). 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. STEPOSOL® MET-10U and its formulations remove graffiti by a different mechanism than traditional solvents. Rather than dissolving these soils into a smeary gel that has to be removed by a second step with soap and water, Stepan's formulation breaks down these soils for easy removal in one step. Also, unlike traditional solvents that quickly evaporate,</p>	

Stepan's formulation remains on the surface and continues to work. Used this way, Stepan's formulation equals or exceeds the removal performance of the leading solvent-based removers on graffiti and does it in one easy step that requires less work. Before using on plastic, hard or painted surfaces, spot test on an inconspicuous area first.

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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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