



# Formulation

Name	<b>ADHESIVE AND PAINT REMOVER CONCENTRATE</b>	
No.	1216	
Description	This concentrate removes oil-based and soft epoxy paints, as well as varnish. When diluted with water, it can remove latex paint, linear polyurethane coatings and adhesives such as polyvinyl acetate, cyanoacrylate, acrylics, rubber cement, natural latex, and pressure sensitive materials.	
Formulation	<u>INGREDIENTS:</u>	<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
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. Charge BIO-SOFT® N91-6 in mixing vessel.</li> <li>2. Blend in STEPOSOL® MET-10U.</li> <li>3. Add Monoethanolamine.</li> <li>4. Mix until homogenous.</li> </ol>	
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 oil and soft-epoxy paint removal, apply to the surface as is. Allow to penetrate 15 minutes. Wipe, scrape or brush off. Rinse if desired. For removal of latex paint and adhesives, dilute 1:2 – 1:4. Apply to surface. Allow to penetrate 5 minutes for most adhesives and 15 minutes for paint coatings. 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.</p> <p>BIO-SOFT® N91-6 is an approved ingredient on <a href="http://www.cleangredients.org">www.cleangredients.org</a>. For further information, visit <a href="http://www.cleangredients.org">www.cleangredients.org</a>. When used as an adhesive remover at Stepan's recommended dilution level of 1:2 or 1:4, this formulation is VOC-compliant with California Air Resource Board (CARB) Consumer Products regulation for paint removers (20% VOC limit as of December 31, 2006). When used as a paint remover both "as is" and at Stepan's recommended dilution level of 1:2 or 1:4, this formulation is VOC-compliant with California Air Resource Board (CARB) Consumer Products regulation for adhesive removers (50% VOC limit as of January 1, 2005). For U.S. formulators, STEPOSOL® MET-10U is a low vapor pressure VOC (LVP-VOC), therefore its</p>	

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 clean paint and adhesives 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, 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 all of the listed adhesives and paints, 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.

Registered  
Trademarks  
of Stepan  
Company

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.

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

**Stepan** 

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

Revision Date:      Publication Date: 03/18/2014    © 2014, Stepan Company. All rights reserved.