STEPOSOL® MET-10U
PAINT & COATINGS REMOVAL/STRIPPING

Surfactant Solution to Solvent Replacement™. Replace Methylene Chloride, Mineral Spirits, and NMP. Wipe Away Paint and Permanent Ink!

STEPOSOL® MET-10 utilizes the cleaning properties of a surfactant to outperform many solvents commonly used in paint and coatings removal/stripping. It fulfills the role of both a low HLB surfactant and a powerful solvent, which allows it to be highly effective against a broad range of soils. STEPOSOL® MET-10U can be used in formulations ranging from pH 3–12 while achieving viscosities from water-thin to gel. This metathesis-derived, nonionic surfactant is an unsaturated, short chain amide resulting from Stepan’s collaboration with Elevance Renewable Sciences and furthers Stepan’s effort to deliver renewable, naturally-derived products to the market.

With a Kauri-Butanol value greater than 1000, STEPOSOL® MET-10U provides superior cleaning performance and is environmentally friendly due to a low vapor pressure, high boiling point, and Biorenewable Carbon Index (BCI) of 75%.

PROPERTIES
- EFFECTIVE LATEX REMOVER IN DILUTED AQUEOUS SOLUTIONS
- EXCELLENT SYNERGY WITH MONOETHANOLAMINE (MEA)
- EXCELLENT SOLUBILITY IN ORGANIC SOLVENTS
- STABLE OVER WIDE pH RANGE (pH 3-12)
- KAURI-BUTANOL VALUE: >1000
- pH, (5% in 1:1 IPA/H₂O): 8.0
- VAPOR PRESSURE, 20 °C: 0.0025 mm Hg
- BOILING POINT: 297 °C (566 °F)
- FLASH POINT, PMCC: 134 °C (273 °F)
- COLOR GARDNER: 1 MAX.

AQUEOUS LATEX BRUSH CLEANER
5% STEPOSOL® MET-10U vs. 100% Mineral Spirits

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% by Weight</th>
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</thead>
<tbody>
<tr>
<td>MEA (Monoethanolamine)</td>
<td>5.0</td>
</tr>
<tr>
<td>BIO-SOFT® N81-6</td>
<td>10.0</td>
</tr>
<tr>
<td>(Alcohol Ethoxylate, 6 moles EO)</td>
<td></td>
</tr>
<tr>
<td>STEPOSOL® MET-10U</td>
<td>5.0</td>
</tr>
<tr>
<td>Deionized Water</td>
<td>80.0</td>
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</tbody>
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5% of STEPOSOL® MET-10U, in this aqueous chassis, removes almost all of the dried latex paint, restoring the paint brush to near original conditions. Mineral Spirits has minimal effect on removing the dried latex paint.

CHASSIS

Professional latex paint brush with white latex paint dried overnight. Placed brush into container with product for two hours. Gently shook brush in solution and removed. Wiped with cloth or paper towel, then rinsed with water and wiped dry.

For additional information, please contact Stepan U.S. Technical Service at techserv@stepan.com or (800) 745-7837 and visit www.stepan.com/STEPOSOLMET.

AQUEOUS GRAFFITI REMOVAL ON ENAMEL

5% STEPOSOL® MET-10U vs. Commercial Graffiti Remover (Acetone and NMP)

Before

Commercial Graffiti Remover

After

STEPOSOL® MET-10U Chassis

While baked enamel sign panel (7" x 10") with premium enamel, black, flat spray paint. Sprayed graffiti (paint) across panel, dried overnight. Commercial remover, containing acetone and NMP, sprayed on the left half and STEPOSOL® MET-10U chassis on the right half with 15 minutes contact time and then wiped with a damp scrub sponge. See page 1 for STEPOSOL® MET-10U chassis.

5% STEPOSOL® MET-10U, in this aqueous chassis, provides equivalent cleaning performance to the commercial remover containing acetone and NMP. STEPOSOL® MET-10U breaks the paint into particles, allowing for easy clean-up, while the commercial remover dissolves the paint.

AQUEOUS GRAFFITI REMOVAL ON CONCRETE

5% STEPOSOL® MET-10U vs. Commercial Graffiti Remover (Acetone and NMP)

Before

Sprayed with Product

After Scrub, Rinse, Dry

Commercial Graffiti Remover

STEPOSOL® MET-10U Chassis

Concrete block with premium enamel, black, flat spray paint. Sprayed graffiti (paint) in two zones on the concrete block, cured in 50 °C oven for 1 hour. Commercial remover, containing acetone and NMP, sprayed on the left half and STEPOSOL® MET-10U chassis on the right half with 15 minutes contact time and then rinsed and dried. See page 1 for STEPOSOL® MET-10U chassis.

5% STEPOSOL® MET-10U, in this aqueous chassis, provides equivalent cleaning performance to the commercial remover containing acetone and NMP. The STEPOSOL® MET-10U chassis easily rinses with water compared to a 100% solvent product.

AQUEOUS PERMANENT MARKER REMOVAL

1% STEPOSOL® MET-10U vs. Commercial Products

Before

Sprayed with Products After 1 Min

After Wiping

CHASSIS

Ingredient % by Weight

D-Limonene 0.5

STEPOSOL® MET-10U 1.0

Balance: Emulsifier and Water

Mildly Alkaline

Patent Pending

STEPOSOL® MET-10U chassis (right) completely removes the premium permanent marker without damaging the board, outperforming a leading glass cleaner (left) and a premium white board marker remover (middle).

The STEPOSOL® MET-10U chassis is over 95% water, containing only 1% STEPOSOL® MET-10U.

White Dry-Erase Board (10" x 12"). Marked 3 regions with the word “Test” using a premium black permanent marker. Sprayed a region with each product 3 times to cover each word. Waited 1 minute, then wiped with paper towel.

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