

**Randolph Products Company**

33 Haynes Circle

Chicopee, MA 01020

Telephone 413-592-4191

Facsimile: 413-594-7321

**MIL-C-8514C(1) – METAL PRETREATMENT**

GENERAL INFORMATION	PHYSICAL PROPERTIES	APPLICATION
<p>A three component kit comprised of            Component A: Polyvinyl Butyral Resin;            Component B: Phosphoric Acid Solution;            Component C: Denatured Alcohol</p> <p>Meets the performance of MIL-C-8514C(1).</p> <p>For use on clean metal surfaces prior to the application of the coating system to enhance adhesion to the substrate.</p> <p>Randolph Products Co. warrants that its Products meet its internal specifications and are of merchantable quality. However, the purchaser is solely responsible for the Suitability of the product for any particular application. The purchaser should thoroughly test or qualify the product for serviceability, environmental compliance and health and safety factors prior to use. Further, our total liability is limited to the price of the product or replacement in kind.</p> <p>Randolph Products Company            33 Haynes Circle            Chicopee, MA 01020            Phone: 413-592-4191            Fax: 413-594-7321            www.randolphproducts.com</p>	<ol style="list-style-type: none"> <li>1. <b>Color:</b> Yellow</li> <li>2. <b>Volume Solids:</b> 9.5%</li> <li>3. <b>Solids by Weight:</b> 18.8%</li> <li>4. <b>Viscosity:</b> 57 – 74 KU</li> <li>5. <b>DFT:</b> 0.3 – 0.5 mils</li> <li>6. <b>Theoretical Coverage @ 1 mil dft:</b> 152 ft<sup>2</sup>/gallon</li> <li>7. <b>Gloss @ 60°</b> Flat</li> <li>8. <b>Dry Time</b> Set to Touch: 15 minutes Dry Hard: 30 minutes max. Recoat: 15 minutes – 24 hours</li> <li>9. <b>Pot Life</b> 8 hours maximum</li> <li>10. <b>Mix Ratio</b> 4:1:1 by volume 4 parts Component A 1 part Component B 1 part Component C</li> <li>11. <b>VOC</b> 5.8 lbs/gallon (695 grams/liter)</li> <li>12. <b>Induction Time</b> 15 minutes</li> <li>13. <b>Shelf Life</b> Two years from date of manufacture</li> </ol>	<p><b>Steel:</b> Surface must be clean and free of grease, dirt, oil, rust and other contaminants that could interfere with proper adhesion.</p> <p><b>Aluminum:</b> Surface must be clean and free of grease, dirt, oil, rust and other contaminants that could interfere with proper adhesion.</p> <p><b>Galvanized and other metals:</b> Clean and remove surface contamination including oxidation. .</p> <p><b>Reduction:</b> Reduce with Denatured Alcohol. When thinning, do not exceed the VOC limit.</p> <p><b>Conventional Spray:</b> Atomizing Pressure: 45 – 55 psi Pot Fluid Pressure: 10 – 15 lbs.</p> <p><b>Clean-up:</b> Clean tools and equipment immediately after use with Denatured Alcohol.</p> <p><b>Safety Precautions:</b> This product is intended for professional use in an industrial environment only. Consult the Material Safety Data Sheet prior to application.</p>

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