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|                                 |   |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
|---------------------------------|---|-------------------------|-------------------|-------------|------------|--------------|-----------|-------------------|--------------------------------|--------------------------|---|----------------------------|----------------------|
| <b>Description</b>              | OP1013 has been developed for press application via screen, blanket, tower, dampener, flexo, or converted offset coating units. This topcoat will exhibit excellent flow, leveling properties, resulting in high gloss cured films with excellent flexibility and rub/scuff resistance.   |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Substrates</b>               | Pressure sensitive coated paper, paper & board stocks .   |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Properties</b>               | <table><tr><td><b>Target Viscosity</b></td><td>200-250 cps @25°C</td></tr><tr><td><b>Cure</b></td><td>300 ft/min</td></tr><tr><td><b>Gloss</b></td><td>90+ (60°)</td></tr><tr><td><b>Shelf Life</b></td><td>6 months (Unopened containers)</td></tr><tr><td><b>Benzophenone (BP)</b></td><td>This product is formulated with Benzophenone.</td></tr><tr><td><b>BP Free Alternative</b></td><td><b>Not available</b></td></tr></table> | <b>Target Viscosity</b> | 200-250 cps @25°C | <b>Cure</b> | 300 ft/min | <b>Gloss</b> | 90+ (60°) | <b>Shelf Life</b> | 6 months (Unopened containers) | <b>Benzophenone (BP)</b> | This product is formulated with Benzophenone. | <b>BP Free Alternative</b> | <b>Not available</b> |
| <b>Target Viscosity</b>         | 200-250 cps @25°C   |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Cure</b>                     | 300 ft/min  |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Gloss</b>                    | 90+ (60°)   |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Shelf Life</b>               | 6 months (Unopened containers)  |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Benzophenone (BP)</b>        | This product is formulated with Benzophenone.   |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>BP Free Alternative</b>      | <b>Not available</b>  |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Application Suggestions</b>  | An anilox with a BCM range of 5.0 – 8.0 is suggested for flexo applications, with a reverse angle doctor blade.<br>This product is formulated to be press ready and can be printed over Nazdar® Rotary Screen, UV Flexo and Water Base Flexo inks.  |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Performance Verification</b> | After press/job set up is complete, inspect a portion of the printed web for all applicable and specified properties. These properties include but are not limited to: cure, adhesion, mar and rub resistance, product resistance, gloss, and coefficient of friction. These tests should be performed prior to beginning the full production run.  |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Clean Up</b>                 | Use NWC10 EZ Cleaner or suitable solvent.   |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |
| <b>Storage and Handling</b>     | Proper personal protection equipment and adequate ventilation are required when handling this material. Please consult MSDS for details on proper handling of this material. This product should be stored in a sealed container away from heat, flame and should not be exposed to any direct light source. Otherwise, premature cure or gel could occur. The product should be mixed prior to use.                                  |                         |                   |             |            |              |           |                   |                                |                          |   |                            |                      |

*Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.*

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