PLASTIC TECHNOLOGIES
RUTLAND

QS-9000/ISO 9001 Registration #60047

Technical Data Sheet:	**# 208**
Date:	**Aug. 23, 2001**
Product:	**MW0001**

FEATURES

MW0001 Hydra-Sol Base has a short body and no wet tack for quick and easy printing.
Fast shearing action means higher press speeds.
Easy to use, no viscosity modifications necessary.
Extreme soft hand water base look and feel.
Foil release agent for multi-color designs with foil in select areas only

DESCRIPTION

MW0001 Hydra-Sol Base is formulated as a press-ready plastisol for printing on 100% Cotton or poly/cotton lights. This product produces an extreme soft hand with a matte finish.

APPLICATION

Print **MW0001 Hydra-Sol Base** directly onto substrate. **MW0001 Hydra-Sol Base** is printed through mesh ranges from 110 - 300 mc./in. Recommend hard squeegee for superior edge definition. **Foil applications**: Print several colors of Hydra-Sol (mixed with Color Boosters at 20% to 80% Hydra-Sol) with a flash, then print HG0180 Ultra Gel in areas to be foiled. Dry the garment. Transfer foil onto the area printed with Ultra Gel at 350° to 360° F. for 4 to 5 seconds at 20 to 25 p.s.i. The foil will only adhere to the Ultra Gel.

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RECOMMENDED PRINTING TECHNIQUES

Manual Machine Printing

- ❑ Load ink into mesh opening with hard, sharp squeegee.
- ❑ Only the image area should be filled with ink.
- ❑ Transfer ink to the fabric surface with a light squeegee pass using just enough pressure to clear the mesh.

Automatic Machine Printing

- ❑ Examine the flood bar and smooth edges if necessary.
- ❑ Adjust the flood to just transfer the ink from the front to the back of the screen.
- ❑ Transfer ink to the fabric surface with a light squeegee pass using just enough pressure to clear the mesh.

SPECIAL RECOMMENDATIONS

Plastisols are THERMOPLASTIC, requiring heat for fusion. Test print area for crock fastness. Should color rub off on white cloth, adjust oven temperatures and/or dwell time until crock test passes (cloth wipes clean). Stir plastisols prior to printing. Do not dry clean. Do not use bleach.
Do not iron image area.

Hydra-Sol is available in 1-gallon pails, 5-gallon pails 30-gallon drums and 55-gallon drums.

Any application not referenced in this technical data should be pretested or consultation sought with Rutland's Applications Laboratory prior to printing.

TECHNICAL DATA

Wet Ink Tack **-** *None*

After Flash Tack **–** *Very Low*

Printability **-** *Great*

Surface Appearance **–** *Matte Finish*

Opacity/Viscosity **–** *Medium / Medium*

Bleed Resistance **–** *None*

Gel Point / Flash Time **-** *160°f. / 5 Sec.*

Fusion Temperature *- 320° f.*

Squeegee Hardness/ Blade/ Angle **–** *Hard / Sharp/ 45°*

Squeegee Speed **–** *High*

Underlay **–** *N/A*

Emulsion **–** *Capillary Film, direct or indirect liquid emulsions all should be dual cure.*

Mesh Count **–** *110 - 300 mc. In.*

Extender **–** *N / A*

Thickener **–** *N / A*

Storage **-** 65°F to 95°F. Avoid direct sun

Cleanup **-** Mineral Spirits, Varsol or some non-hazardous screen washes

MSDS **- #1**

Color Range **– MW0001 Hydra-Sol Base**

Substrate Type **–** Cotton or 50/50 Poly

Substrate Color(s) **–** Lights

Note:

Technical Data Sh

Technical Service Hotline: 800.438.5134. Ext 151 & 152

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