

# Product Name: DPI-860 Heat Resistant White Ink

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## Substrates Marked

**Preferred:** Metal, Ceramic, Wood, Plastics  
**Acceptable:** Sample marking to determine specific applications

## Product Specifications/Characteristics

<b>UN Number</b>	1210	<b>Flash Point</b>	16° F (-9°C)
<b>Type</b>	Ink Jet	<b>Recommended Storage</b>	32°- 90° F (0°C – 32.2°C)
<b>Colorant</b>	Pigment	<b>Shelf Life</b>	1 years
<b>Viscosity</b>	Liquid	<b>Package</b>	Vapor barrier polyethylene
<b>Drying Time</b>	5-10 seconds	<b>Unit</b>	Various
<b>Open Time</b>	N/A	<b>Density</b>	7.78 lbs/gal
<b>DOT Regulations</b>	Flammable	<b>RCRA Waste Number</b>	D001, D035, F005
<b>VOC</b>	83 g/l	<b>Thinner</b>	N/A
<b>SDS Sheet Number</b>	5858	<b>Cleaner</b>	SCP-700C
<b>HMIS Rating</b>	1-3-0	<b>NFPA Rating</b>	1-3-0
<b>Carcinogen</b>	No	<b>Specific Gravity</b>	0.934

## Description/Special Properties

Pigmented ink that is to be used for printing on various substrates. Dot size must be greater than 500 regardless of application. It has good adhesion to a variety of substrates. Sample marking should be conducted to confirm proper adhesion and dry time requirements. Dry time varies depending on substrate and ambient conditions. Ink can be used normally to print on heated substrates up to 400°F (204.4°C). Between 400°F to 450°F (204.4°C to 232.2°C), dot size adjustments may be necessary for proper printing. This ink is not recommended to be used on substrates in excess of 450°F (232.2°C) at time of printing. Dried ink film is heat resistant up to 1202°F (650°C) and will retain color and opacity when heated and then cooled to ambient conditions. A Matthews circulating pigmented ink delivery system is required for proper operation. It is critical to follow the detailed procedures defined in the Matthews ink system instruction manual for proper maintenance and operation.

## Application/Compatibility

**Printhead:** 8000+ (Maxi only)  
**Rubber Compounds:** N/A

## Formulations Available

Item Number	Unit of Measure
71085648	Case of 6 x 1 Liter Bottles
71085656	Swedot Case of 6 x 1 Liter Bottles
71085643	Case of 4 x 4 Liter Bottles
71085642	Case of 2 x 4 Liter Bottles
71085644	5 Gallon Pail

A Safety Data Sheet is furnished with every order.

**Original Date:** June 21, 2016  
**Revision Date:**

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