

# Product Name: LS-7001

## Product Code: 71083132

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### Substrates Marked

**Preferred:** Non porous substrates  
such as:

PS, PET, PP, HDPE, LDPE, OPP films and other coated substrates

### Product Specifications/Characteristics

<b>UN Number</b>	1210	<b>Type</b>	TIJ
<b>Shelf Life</b>	6 Months – cool storage	<b>Fluid Base</b>	Solvent
<b>DOT Regulations</b>	II	<b>SDS Sheet Number</b>	5228
<b>Colors Available</b>	Black	<b>Drying Time</b>	<5 sec.
<b>Specific Gravity</b>	.82	<b>Flash Point</b>	>16°F (>-9° C)
<b>HMIS Rating</b>	2-3-0-C	<b>NFPA Rating</b>	2-3-0
<b>Operating Conditions</b>	55-95° F (13-35° C)	<b>Recommended Storage</b>	40°F (5° C)

### Description/Special Properties

The LS-7001 is a solvent based black dye ink for use on a variety of packaging substrates. In addition to semi-porous materials, this ink can print on non-porous materials (PS, PET, PP, HDPE, LDPE, oriented Nylon, varnish overcoats, clay-coated materials, aqueous acrylic resin coatings, polyesters, etc.). Because this ink is a fast-drying ink, a heater is not required to facilitate application.

This ink uses light fast and water resistant dyes, however it is not recommended that printed materials be exposed to direct sunlight for long periods of time. This product contains ketone based solvents. Print quality varies depending on application and environment. It is recommended to obtain sample marking first to prove this application.

Storage Conditions – Avoid exposure to extreme high temperature and store in a cool or refrigerated place.

Clean head with a dry, lint free wipe, do not clean with water.

#### Open Time / Standby Time

20 minutes without wiping or spitting, indefinite with background spitting, cap at end of shift or work day.

#### Dry Times

Dry time will vary depending on the actual substrate being marked as well as the specific application parameters, but this data can be used as a guideline for observed dry times:

<b>600X600 DPI</b>	<b>8 seconds</b>
<b>600X300 DPI</b>	<b>4 seconds</b>
<b>600X150 DPI</b>	<b>2 seconds</b>

### Formulations Available

Matthews Marking Systems  
6515 Penn Ave.  
Pittsburgh, PA 15206  
website.com

Item Number	Name	Unit of Measure
71083132	LS7001 SU Black Ink	Single Use Cartridge

A Material Safety Data Sheet is furnished with every order.

**Original Date:** January 27, 2016

**Revision Date:**