# Jet Letterpress Series Photopolymer - Material Technical Data Sheet

**Prepared for:** Boxcar Letterpress; Syracuse, NY (Agent)  
**Date:** July 17, 2014

**Material:** Jet Letterpress Series Photopolymer  
**Nomenclature:** LSL-94-SB  
**Application:** Flatbed & Rotary Letterpress Printing, Intaglio, Crash Printing  
**Features:** Laser Engravable, High Resolution, Non Cracking, Bio-Degradable Photopolymer Layer

### Available Sizes:

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
<th>Sheets/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-0</td>
<td>33.1” x 46.8”</td>
<td>10</td>
</tr>
<tr>
<td>A-1</td>
<td>23.4” x 33.1”</td>
<td>10</td>
</tr>
<tr>
<td>A-2</td>
<td>16.5” x 23.4”</td>
<td>10</td>
</tr>
<tr>
<td>A-3</td>
<td>11.7” x 16.5”</td>
<td>10</td>
</tr>
<tr>
<td>A-4</td>
<td>8.3” x 11.7”</td>
<td>20</td>
</tr>
</tbody>
</table>

### Specifications:

- **Thickness:** .037” / 0.94 mm
- **Face Relief:** .027” / 0.68 mm • PVA (Polyvinyl Alcohol)
- **Substrate:** .010” / 0.26 mm • Steel Base
- **Durometer:** 80° Shore D Hardness
- **Surface Texture:** Non Matte

### Processing:

- **Main Exposure:** 2:00 - 4:00 Minutes @ 720 mj/cm (350 nm)
- **Shoulder Angle:** 25° - 30°
- **Resolution (inches/inches):** 175 dpi @ 3%
- **Minimum Isolated Dot (um):** 200
- **Maximum Isolated Dot (um):** 40
- **21 Step Exposure Scale:** 16-19
- **Washout:** 3:30 – 4:30 Minutes
- **Bath Temperature:** < 23° C / 72° F
- **Dry:** 10:00 - 15:00 Minutes in Convection Dryer
- **Temperature:** 65° C / 150° F
- **Post Exposure:** 2 - 3:00 Minutes

### Effluent Data:

- .0025 Square Meter of Jet Letterpress Series Plate in ONE LITER of water.

<table>
<thead>
<tr>
<th>Unit</th>
<th>MG / LITER</th>
<th>Unit</th>
<th>MG / LITER</th>
</tr>
</thead>
<tbody>
<tr>
<td>F - Fluoride</td>
<td>Less than 0.1</td>
<td>Cu - Copper</td>
<td>0.07</td>
</tr>
<tr>
<td>Hq - Mercury</td>
<td>Less than 0.0005</td>
<td>Zn - Zinc</td>
<td>0.04</td>
</tr>
<tr>
<td>Co - Cobalt</td>
<td>Less than 0.01</td>
<td>Mn - Manganese</td>
<td>Less than 0.01</td>
</tr>
<tr>
<td>Pb - Lead</td>
<td>Less than 0.05</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** You may filter waste water before discharging into local sewer. Use a Sub-Micron mesh filter. Dry filtered waste and dispose in refuse. Consult Local Authorities for Regulations in your Area.

---

1116 MacDade Blvd. • P.O. Box 1387 • Collingdale, PA 19023  
(800) 528-1153 • (610) 461-5861 • Fax: (888) 528-1153 • info@jetusa.com • www.jetusa.com