## Chemical Processing Sequence Chart

<table>
<thead>
<tr>
<th>Material</th>
<th>Processing Steps</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNTREATED METAL</strong></td>
<td>Visual Examination, photograph</td>
</tr>
<tr>
<td><strong>PLASTIC PACKAGING MATERIAL</strong> (e.g., plastic grocery bags, soft vinyl or cling film)</td>
<td>Visual Examination, photograph</td>
</tr>
<tr>
<td><strong>ADHESIVE SURFACES</strong> (e.g., adhesive tapes, bumper stickers, etc.)</td>
<td>Visual Examination, photograph</td>
</tr>
<tr>
<td><strong>WAX/WAXED SURFACES</strong> (e.g., waxed paper, candles, waxed food containers)</td>
<td>Fluorescence Examination, photograph</td>
</tr>
<tr>
<td><strong>RAW WOOD</strong> (untreated)</td>
<td>Fluorescence Examination, photograph</td>
</tr>
<tr>
<td><strong>SMOOTH, NON-POROUS NON-FERROUS SURFACES</strong> (e.g., painted plastic moldings, finished smooth rough wood)</td>
<td>Fluorescence Examination, photograph</td>
</tr>
<tr>
<td><strong>TEXTURED, NON-POROUS SURFACES</strong> (e.g., textured plastic moldings, unfinished painted rough wood)</td>
<td>Fluorescence Examination, photograph</td>
</tr>
<tr>
<td><strong>PAPER AND CARDBOARD</strong> (porous surfaces)</td>
<td>Fluorescence Examination, photograph</td>
</tr>
<tr>
<td><strong>SOFT VINYL (PVC), RUBBER AND LEATHER</strong> (e.g., some cling film and simulated leather upholstery)</td>
<td>Fluorescence Examination, photograph</td>
</tr>
</tbody>
</table>

### Chemical Processing Options

- **Super Glue Fuming** (for fresh latent prints; won't permanently alter evidence) - photograph
- **Physical Developer, Ninhydrin, DFO** (most effective on non-porous material) - photograph
- **Diff-Lift™ tape** (less effective than chemical fuming) - physical developer, Ninhydrin, DFO
- **Silver Nitrate** (for grease-contaminated articles, etc.) - silver nitrate replacement treatment - photograph
- **Sudan Black** (most effective on thin, white, or light-colored tape) - photograph
- **Gentian Violet** (use contrasting Peavey Dye Stain) - photograph
- **Basic Red 28** (permanent on light-colored tape) - photograph
- **Rhodamine 6G** (for fresh latent prints) - photograph
- **Ninhydrin** (most effective on dark surfaces) - photograph
- **DFO**
- **Iodine Fuming** (for fresh latent prints; won't permanently alter evidence) - photograph
- **Magnetic Powder**
- **Latent Print Powders** (most effective on dark surfaces) - photograph & lift
- **Small Particle Reagent** (only for use on dark tape) - photograph & lift
- **Super Glue Fuming** (only for use on dark tape; less effective than small particle reagent) - photograph

### FLAMMABILITY
- **LEAST**
- **SLIGHT**
- **MODERATE**
- **HIGH**
- **EXTREME**

### REACTIVITY
- **LESS**
- **MILD**
- **MODERATE**
- **STRAIGHT**
- **EXTREME**

### HEALTH
- **LEAST**
- **LOW**
- **MODERATE**
- **HIGH**
- **EXTREME**

### SPECIAL NOTICE
- **No Special Notice**

### HAZARD RATING:

0 1 2 3 4

---

**Lynn Peavy Company**

(800) 255-6499

Order online at www.lynnpeavey.com