# Material Safety Data Sheet

## Section I

**Manufacturer's Name**
LaMotte Chemical Products Co.

**Emergency Telephone No.**
301-778-3100

**Address (Number, Street, City, State, and ZIP Code)**
P.O. Box 329, Chestertown, MD 21620

**Chemical Name and Synonyms**
D.S. Reagent (Code 4508)

**Chemical Family**

## Section II - Hazardous Ingredients

<table>
<thead>
<tr>
<th>Paints, Preservatives, &amp; Solvents</th>
<th>% TLV (Units)</th>
<th>Alloys and Metallic Coatings</th>
<th>% TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pigments</td>
<td></td>
<td>Base Metal</td>
<td></td>
</tr>
<tr>
<td>CATALYST</td>
<td></td>
<td>Alloys</td>
<td></td>
</tr>
<tr>
<td>Vehicle</td>
<td>N/A</td>
<td>Metallic Coatings</td>
<td>N/A</td>
</tr>
<tr>
<td>Solvents</td>
<td></td>
<td>Filler Metal plus coating or core flux</td>
<td></td>
</tr>
<tr>
<td>Additives</td>
<td></td>
<td>Others</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hazardous Mixtures of Other Liquids, Solids, or Gases

<table>
<thead>
<tr>
<th>Toluene (C₆H₅CH₃)</th>
<th>CAS #108-88-3</th>
<th>99%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromophenol Blue</td>
<td>CAS #115-39-9</td>
<td></td>
</tr>
</tbody>
</table>

## Section III - Physical Data

<table>
<thead>
<tr>
<th>Boiling Point (°F.)</th>
<th>231°</th>
<th>Specific Gravity (H₂O = 1)</th>
<th>0.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>unknown</td>
<td>Percent, Volatile by Volume (%)</td>
<td>unknown</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>3.1</td>
<td>Evaporation Rate (°C)</td>
<td>unknown</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Blue liquid, benzene-like odor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Section IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method used)</th>
<th>40°F (closed cup)</th>
<th>Flammable Limits</th>
<th>Lea</th>
<th>Uea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing Media</td>
<td>Dry chemical or CO₂ extinguishers, water spray</td>
<td>Special Fire Fighting Procedures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SECTION V - HEALTH HAZARD DATA.

Threshold Limit Value: 200 ppm (toluene)

Effects of Overexposure: may cause headache, dizziness, toxic, vapor harmful

Emergency and First Aid Procedures:
- Eye contact: flush thoroughly with water, get medical attention
- External: wash thoroughly with soap and water, remove contaminated clothing
- Internal: immediately call a physician

SECTION VI - REACTIVITY DATA

Stability:
- Unstable
- Stable: x sources of ignition

Incompatibility (Materials to avoid): N/A

Hazardous Decomposition Products: N/A

Hazardous Polymerization:
- May Occur
- Will Not Occur: x N/A

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
- Eliminate all sources of ignition and flammables.
- Absorb on paper. Evaporate on an iron pan in a hood. Burn the paper.

Waste Disposal Method:
- Atomize into an incinerator.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify type): none

Ventilation:
- Local Exhaust: fume hood
- Mechanical (General): x

Protective Gloves: plastic gloves

Eye Protection: goggles

Other Protective Equipment

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:
- Protect against physical damage. Store away from source of ignition in well closed containers.
- Avoid spilling, contact with skin or clothing. Use adequate ventilation.

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