Material Safety Data Sheet

Date of Last Revision: April 14, 1993

I. Product Information

Product Name: Brown Manuscript LBC Ink
Product Class: Liquid Specialty Ink
GPO Property Number: 674168
GPO Formula Number: 07416

II. Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percent</th>
<th>Hazard Data:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octylene glycol</td>
<td>40 - 45</td>
<td>No. P.E.L. or T.L.V. established</td>
</tr>
<tr>
<td>Polyalkylene glycol</td>
<td>25 - 30</td>
<td>No. P.E.L. or T.L.V. established</td>
</tr>
<tr>
<td>n-Decyl alcohol</td>
<td>10 - 15</td>
<td>No. P.E.L. or T.L.V. established</td>
</tr>
<tr>
<td>Carbon black</td>
<td>0 - 1</td>
<td>3.5 mg/m³ TWA (OSHA)</td>
</tr>
</tbody>
</table>

III. Health Effect Information

Eye Contact: Causes irritation.
Skin Contact: May cause skin irritation.
Inhalation: None currently known.
Ingestion: Low toxicity unless aspiration occurs.
Health Data: None known.
Systemic Effects: None known.
IV. Emergency and First Aid Procedures

Eye Contact: Flush with water for 15 minutes. Seek Medical attention.
Skin Contact: Wash area with soap and water.
Inhalation: No emergency care anticipated.
Ingestion: No harmful effects expected.

V. Personal Health Protection Information

Eye Protection: Safety glasses or goggles recommended.
Skin Protection: Gloves recommended for repeated or prolonged exposure.
Ventilation: General room ventilation is expected to be satisfactory for use at normal room temperatures.
Respiratory Protection: None anticipated to be necessary under normal working conditions.
Other:

VI. Fire and Explosion Data

Flash Point Category (NFPA) | Flash Point | Lower Explosion Limit:
--- | --- | ---
>200°F (Closed cup) | N.D. |

Extinguishing Media: Foam, CO₂, dry chemical

Special Fire Fighting Procedure: Water may be ineffective but can be used to cool containers exposed to heat or flame.

Unusual Fire and Explosion Hazards: None known.

VII. Reactivity Data

Stability (thermal, light, etc.): Stable (X) Conditions to Avoid Unstable ()

Incompatibility: (materials to avoid): Strong oxidizing agents.
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Brown Manuscript LBC Ink

VIII. Physical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>lb./gal.</td>
<td>8.0</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Brown, oily liquid</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Vapor Density vs. air</td>
<td>Heavier (X)</td>
<td>Lighter ( )</td>
</tr>
<tr>
<td>Evaporation Rate vs. butyl acetate</td>
<td>Faster ( )</td>
<td>Slower (X)</td>
</tr>
<tr>
<td>Liquid Density vs. water</td>
<td>Heavier (X)</td>
<td>Lighter ( )</td>
</tr>
<tr>
<td>V.O.C. Content</td>
<td>85%</td>
<td></td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Slight</td>
<td></td>
</tr>
</tbody>
</table>

IX. Environmental Precautions

Procedure When Material is Spilled or Released:
Clean up with absorbent material. Hydrocarbon solvent may be used to aid in cleaning. Remove all sources of ignition and provide adequate ventilation.

Waste Disposal Method:
Dispose of spilled material or empty containers in accordance with federal, state, and local regulations. This product is not a listed hazardous waste according to 40 CFR Part 261 nor does it contain "California List" compounds. It has not been tested according to the TCLP but contains none of the regulated compounds.

X. Special Precautions

Handling and Storage Requirements:
Store in closed containers in a cool, well ventilated area from heat, open flame, and oxidizing materials.

Precautionary Statements: Avoid skin contact.

XI. Other Regulatory Requirements

SARA: This product contains no compounds that are subject to Title III, Section 313 reporting requirements under the Superfund Amendments and Reauthorization Act.