**MATERIAL SAFETY DATA SHEET**

**NAME:** PAPER MATE OFFICE PRODUCTS CORRECTION FLUID (LPCF-16)  
**CAS NO:** NA  
**Effective Date:** 12/16/92  
**Rev:** NA

### A. IDENTIFICATION

<table>
<thead>
<tr>
<th>Composition*</th>
<th>%</th>
<th>Formula:</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylcyclohexane (108-87-2)</td>
<td></td>
<td>Molecular Weight:</td>
<td>NA</td>
</tr>
<tr>
<td>Titanium Dioxide (13463-67-7)</td>
<td></td>
<td>Synonyms</td>
<td>NA</td>
</tr>
<tr>
<td>Mineral Spirits (64741-65-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resin, Dispersant, Colorant(s)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mustard Oil (57-06-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Masking Fragrance</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### B. PHYSICAL DATA

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Melting Point</th>
<th>Freezing Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>~212 °F</td>
<td>NA °F</td>
<td>NA °C</td>
</tr>
<tr>
<td>~100 °C</td>
<td>NA °F</td>
<td>NA °C</td>
</tr>
<tr>
<td>Specific Gravity (H₂O=1)</td>
<td>Vapor Density (air=1)</td>
<td>Vapor Pressure @ 100 °F</td>
</tr>
<tr>
<td>~1.1</td>
<td>3.4</td>
<td>83 mmHg</td>
</tr>
<tr>
<td>Evaporation</td>
<td>Saturation in Air</td>
<td>Autoignition Temperature</td>
</tr>
<tr>
<td>(Butyl Acetate=1)</td>
<td>(by volume @)</td>
<td>°F</td>
</tr>
<tr>
<td>&gt;1</td>
<td>NA %</td>
<td>NA</td>
</tr>
<tr>
<td>% Volatiles (by volume)</td>
<td>Solubility in Water</td>
<td>pH</td>
</tr>
<tr>
<td>~48</td>
<td>Negligible</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Appearance/Odor:** White fluid with a pungent solvent odor  
**Flash Point and Test Method(s):** 240°F (Closed Cup) for product  
**Flammable Limits in Air:** (% by volume) Lower 1.2 % Upper 6.7 %

### C. REACTIVITY

- **Stability:** stable  
  ✔ Product is flammable. Avoid contact with open flame or other ignition sources.  
- **Polymerization:** may occur  
- **Conditions to Avoid:** NA  
- **Incompatible Materials:** Strong oxidizers  
- **Hazardous Decomposition Products:** Thermal degradation may produce oxides of carbon and nitrogen and various hydrocarbons.

*IF MULTIPLE INGREDIENTS INCLUDE CAS NUMBERS FOR EACH NA=NOT AVAILABLE

**Footnotes:**  
Physical data, except Specific Gravity and % Volatiles, refers to Methylcyclohexane.
D. — HEALTH HAZARD DATA

Occupational Exposure Limits (PEL's, TLV's, etc.)

8-hour TWA's: Methylcyclohexane - 400 ppm (OSHA/ACGIH)
Titanium Dioxide - 10 mg/cu m (OSHA/ACGIH)
These levels are not anticipated under foreseeable use conditions.

Warning Signals
NA

Routes/Effects of Exposure
1. Inhalation No adverse effects anticipated from normal use. If vapors are deliberately concentrated and inhaled (abuse), the following symptoms may occur: respiratory irritation, dizziness, drowsiness, headache, nausea, unconsciousness, convulsions, cardiac sensitization, coma and death. (Mustard oil is added to the product as an abuse deterrent.)

2. Ingestion No adverse effects anticipated from normal use. Depending on amount ingested, most of the symptoms described above may occur. Estimated LD₅₀ in rats is greater than 5 ml/kg or between 1 pint and 1 quart in humans (ref. Gosselin, Smith and Hodge, Clinical Toxicology of Commercial Products, 5th ed., 1984). Aspiration may result in chemical pneumonitis.

3. Skin
   a. Contact
      No adverse effects anticipated from normal use. Irritation may occur if contact is prolonged/repeated.
   
   b. Absorption
      No adverse effects anticipated from normal use. Solvent can be absorbed through skin (prolonged contact), but not likely in acutely toxic amounts.

4. Eye Contact
   If splashed into eye, irritation can occur.

5. Other
   NA

E. — ENVIRONMENTAL IMPACT

1. Applicable Regulations
   NA

2. DOT Hazard Class –

3. DOT Shipping Name –

Environmental Effects
NA
### F. EXPOSURE CONTROL METHODS

**Engineering Controls**

None under normal use conditions

**Eye Protection**

None under normal use conditions

**Skin Protection**

None under normal use conditions

**Respiratory Protection**

None under normal use conditions

**Other**

Product is non-hazardous when used as directed in an office/room with normal air circulation.

### G. WORK PRACTICES

**Handling and Storage**

Product is flammable. No unusual handling or storage when used as directed; when stored in large quantities (as in warehouse), it should be in a well-ventilated, cool area, away from ignition sources.

**Normal Clean Up**

Pick up spills with towels, tissues, etc.

**Waste Disposal Methods**

Dispose in accordance with applicable federal, state and local laws.
H. — EMERGENCY PROCEDURES

Steps to be taken if material is released to the environment or spilled in the work area

Not applicable

<table>
<thead>
<tr>
<th>Fire and Explosion Hazard</th>
<th>Extinguishing Media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product is flammable. May produce hazardous decomposition products.</td>
<td>Dry chemical, foam, carbon dioxide</td>
</tr>
</tbody>
</table>

Firefighting Procedures

In fires involving large quantities of product, use self-contained breathing apparatus. Cool fire-exposed containers with water fog/spray.

I. — FIRST AID AND MEDICAL EMERGENCY PROCEDURES

Eyes

Flush with plenty of water. If irritation persists, obtain medical attention.

Skin

Wash with soap and water.

Inhalation

No adverse effects anticipated from normal use. In an abuse situation, remove from source of exposure. Treat symptomatically. Oxygen may be administered. Seek medical attention immediately and refer to "Notes to Physician" below.

Ingestion

Consult physician.

Notes to Physician

Contains methylcyclohexane and mineral spirits which, if aspirated, may cause chemical pneumonitis. The inhalation of concentrated vapors may produce cardiac sensitization, contraindicating the use of sympathomimetic agents.

The information contained in the Material Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.