Gillette Medical Evaluation Laboratories
401 Professional Drive
Gaithersburg, Maryland 20879
301-590-9781
MATERIAL SAFETY DATA SHEET

NAME: THINNER FOR LIQUID PAPER CORRECTION FLUID
CAS NO: NA

Effective Date: 8/22/90 Rev: 4

A. - IDENTIFICATION

<table>
<thead>
<tr>
<th>Composition*</th>
<th>%</th>
<th>Formula:</th>
<th>Molecular Weight:</th>
<th>Synonyms</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1-Trichloroethane (71-55-6) Mustard Oil (57-06-7)</td>
<td></td>
<td>Mixture</td>
<td>NA</td>
<td>Thinner for Liquid Paper Liquid Paper Thinner</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>165 °F 74 °C</td>
<td>NA °F NA °C</td>
<td>NA °F NA °C</td>
</tr>
<tr>
<td>Specific Gravity (H₂O=1)</td>
<td>Vapor Density (air=1)</td>
<td>Vapor Pressure @ 68 °F 100 mmHg</td>
</tr>
<tr>
<td>1.32 @ 25/25°C</td>
<td>~ 4.5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Evaporation</th>
<th>Saturation in Air</th>
<th>Autoignition Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Ether =1)</td>
<td>(by volume @ °F)</td>
<td></td>
</tr>
<tr>
<td>Slower</td>
<td>NA %</td>
<td>NA</td>
</tr>
</tbody>
</table>

% Volatiles (by volume) 100
Solubility in Water < 1%

Appearance/Odor Clear fluid with a pungent solvent odor
Flash Point and Test Method(s) None (Closed Cup) Product is non-flammable.
Flammable Limits in Air (See Section H) Lower NA. Upper NA %

C. - REACTIVITY

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
<th>Polymerization</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>stable</td>
<td>Contact with open flame or other high temperature sources.</td>
<td>may occur</td>
<td>NA</td>
</tr>
<tr>
<td>unstable</td>
<td>X</td>
<td>will not occur</td>
<td>X</td>
</tr>
</tbody>
</table>

Incompatible Materials For solvent: strong alkalis/oxidizers; aluminum, zinc and other reactive metals (e.g. potassium, sodium, magnesium).
Hazardous Decomposition Products Thermal degradation, e.g. open flame, can produce small amounts of phosgene, hydrogen chloride and chlorine.

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

Footnotes:
Physical data refers to 1,1,1-Trichloroethane.

GMEL # 698
D. – HEALTH HAZARD DATA

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

8 hour TWA for 1,1,1-Trichloroethane is 350 ppm (OSHA/ACGIH) - This level is 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, cardiac sensitization (abnormal heartbeat), 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 amounts 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).

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. Estimated LD50 in rabbits is greater than 5 ml/kg.

4. Eye Contact

Irritation

5. Other

NA

E. – ENVIRONMENTAL IMPACT

1. Applicable Regulations

2. DOT Hazard Class — NA

3. DOT Shipping Name —

Environmental Effects

NA