PRODUCT: Spot and stain removal agent for use in drycleaning only.  

**SECTION 1: PRODUCT INFORMATION**

Manufacturer: ADCO Cleaning Products LLC, 900 W. Main, Sedalia, MO 65301 (660) 826-3300  
EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)  

**SECTION 2: HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS #</th>
<th>OSHA PEL/ LD 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>lactic acid</td>
<td>10-15</td>
<td>50-21-5</td>
<td>oral: 353 mg/kg (rat)</td>
</tr>
<tr>
<td>pentyl acetate</td>
<td>5-10</td>
<td>628-63-7</td>
<td>dermal: 500 mg/kg (rabbit)</td>
</tr>
<tr>
<td>citric Acid (dilute solution)</td>
<td>&lt;5</td>
<td>77-92-9</td>
<td>oral: 6.5 g/kg (rat)</td>
</tr>
<tr>
<td>ethylene glycol monobutyl ether (EB solvent)</td>
<td>10-20</td>
<td>111-76-2</td>
<td>oral: 470 mg/kg (rat)</td>
</tr>
<tr>
<td>acetic acid</td>
<td>&lt;5</td>
<td>64-19-7</td>
<td>oral: 3.53 g/kg (rat)</td>
</tr>
</tbody>
</table>

**SECTION 3: PHYSICAL DATA**

- Appearance: Clear liquid
- Odor: Sweet
- Boiling Point: 208°F
- Specific Gravity (20°C): 1.12
- pH (20:80 in IPA/H2O Soln): 2.5-3.00
- Solubility in Water: Miscible
- Vapor Pressure (mm Hg): No data
- Vapor Density: Heavier than air

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**

- Flash Point (Method)(°F): 128 (PM)
- Upper Flammable Limit: No data
- Lower Flammable Limit: No data
- Dry chemical, carbon dioxide, foam, water fog or other media for class B fires.
- Wear self-contained breathing apparatus. Cool fire exposed containers with water spray to keep from bursting.
- Vapors may travel along floor and form combustible or explosive mixture with air. Combustion products may be toxic.

**SECTION 5: REACTIVITY DATA**

- Stability: Stable
- Conditions to Avoid: Use or storage at temperatures above 120°F (48.8°C)
- Incompatibility (materials to avoid): Strong oxidizers and alkali
- Hazardous Decomposition Products: Burning may produce toxic vapors.
- Hazardous Polymerization: Will not occur.

**SECTION 6: HEALTH HAZARD DATA**

- Toxicity (Estimated): Slight
- Effects of Overexposure:
  - Acute: Exposure to high concentrations of vapors may cause headaches, nausea, dizziness or nose, throat or eye irritation. Contact with eyes, prolonged or repeated contact with skin may cause irritation. Poisonous if swallowed.
  - Chronic: None known
- Carcinogenicity: None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC, or OSHA.

*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.*
**SECTION 7: PREVENTATIVE MEASURES**

**SPECIAL PROTECTION INFORMATION**

Respiratory Protection: None required when used as directed with adequate ventilation. When cleaning up large spills in confined area, self-contained breathing apparatus is recommended.

Ventilation: Normal industrial ventilation is adequate. Local exhaust at work station is recommended.

Protective Gloves: Ordinarily not needed. Use chemically resistant gloves when contact is prolonged or frequent.

Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

**STORAGE AND HANDLING:** Store in closed containers in a well ventilated area. Keep containers closed when not in use. Keep away from heat and open flames.

**SPILL OR LEAK PROCEDURES:** Avoid breathing vapors. Keep from sources of ignition. Soak up on absorbent material (sawdust, etc.) and shovel into containers for disposal.

**WASTE DISPOSAL METHOD:** Dispose of in manner that complies with all local, state and federal regulations for flammable wastes.

**RECOMMENDED PRECAUTIONARY LABELING:**

**CAUTION:** FLAMMABLE. Keep away from heat and open flames. Use with adequate ventilation. Avoid prolonged breathing of vapors. Avoid contact with skin and eyes.

**FIRST AID:** Remove person overcome by vapors to fresh air. In case of contact with eyes, flush eyes for 15 minutes with water. Wash off of skin with soap and water. If swallowed, do NOT induce vomiting. Call physician immediately.

**KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**

This product is intended for professional use only by trained personnel.

**SECTION 8: FIRST AID**

Inhalation: Remove person overcome by vapors to fresh air.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: Do NOT induce vomiting.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

**SECTION 9: SARA TITLE III**

NOTE: This product does contain some components which are under the reporting requirements of SARA Title III, Section 313. If you are required to report discharges using Form R, SARA Title III, Section 313, information is available on amounts of reportable components.

**SECTION 10: PREPARATION DATE**

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

Prepared by: Julie D. Hirner

Date: November 10, 2008

Replaces MSDS of: June 9, 2008