MATERIAL SAFETY DATA SHEET

EASTMAN KODAK COMPANY
343 State Street
Rochester, New York 14650

For Emergency Health, Safety, and Environmental Information, call 716-722-5151
For all other purposes, call 800-225-5352, in New York State call 716-458-4014

Date of Preparation: 04/25/86
Kodak Accession Number: 900422

SECTION I. IDENTIFICATION

- Product Name: Tannic Acid
- Synonym(s): Digallic Acid
- Formula: C_{76}H_{52}O_{46}
- CAS No(s): 105 4840; 105 4881; 105 4899; 120 5194; 120 5210
- Chem. No(s): 00422
- Kodak's Internal Hazard Rating Codes: R: 1  S: 1  F: 1  C: 0

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

COMPONENT(S):

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent</th>
<th>ACGIH TLV(R)</th>
<th>CAS Reg. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tannic Acid</td>
<td>ca. 100</td>
<td>---</td>
<td>1401-55-4</td>
</tr>
</tbody>
</table>

SECTION III. PHYSICAL DATA

- Appearance: Tan powder
- Melting with Decomposition: 215 C (419 F)
- Vapor Pressure: Negligible
- Evaporation Rate (n-butyl acetate = 1): Negligible
- Volatile Fraction by Weight: Negligible
- Specific Gravity (Water = 1): Not Available
- Solubility in Water (by Weight): Appreciable

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: Not Applicable
- Extinguishing Media: Water spray; Dry chemical; Carbon dioxide
- Special Fire Fighting Procedures: None
- Unusual Fire and Explosion Hazards: None

SECTION V. REACTIVITY DATA

- Stability: Stable
- Incompatibility: Strong oxidizers
- Hazardous Decomposition Products: Combustion will produce carbon dioxide and probably carbon monoxide.
- Hazardous Polymerization: Will not occur.

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SECTION VI. TOXICITY AND HEALTH HAZARD DATA

A. EXPOSURE LIMITS: Not established.

B. EXPOSURE EFFECTS:
   Inhalation: Low hazard for usual industrial handling.
   Skin: Low hazard for usual industrial handling.
   Eye: No specific hazard known. Contact may cause transient irritation.
   Ingestion: Expected to be a low ingestion hazard.

C. FIRST AID:
   Inhalation: None should be needed.
   Skin: None should be needed.
   Eye: Flush eyes with plenty of water.
   Ingestion: None should be needed.

SECTION VII. VENTILATION AND PERSONAL PROTECTION

A. VENTILATION AND RESPIRATORY PROTECTION:
   Good ventilation should be sufficient.

B. SKIN AND EYE PROTECTION:
   Safety glasses recommended in industrial operations involving chemicals.

SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

Keep from contact with oxidizing materials.

SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

Sweep up material and package for safe feed to an incinerator.
Dispose by incineration or contract with licensed chemical waste disposal agency. Discharge, treatment, or disposal may be subject to federal, state or local laws.

For transportation information regarding this material, please phone the Eastman Kodak Distribution Center nearest you: Rochester, NY (716) 254-1300; Oak Brook, IL (312) 654-5300; Chamblee, GA (404) 455-0123; Dallas, TX (214) 241-1611; Whittier, CA (213) 945-1255; Honolulu, HI (808) 833-1661.

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