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 other purposes, call the Marketing and Distribution Center in your area.

Date of Preparation: 6/26/85  Form Approved by U.S. Department of Labor

SECTION I. IDENTIFICATION
- Product Name: Phenylacetic Acid
- Size(s): CAT 107 0796 - bulk; CAT 107 0804 - 100 g; CAT 107 0820 - 500 g
- Synonym(s): Phenylethanoic Acid
- Formula: C6H5CH2COOH
- Kodak Laboratory Chemicals Catalog Number(s): 574
- Kodak Accession Number: 900574
- Kodak Hazard Rating Codes: R: 1  S: 3  F: 1  C: 0

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

A. COMPONENT(S): Percent TLV(R) Accession No. CAS Reg. No.
   Phenylacetic Acid
   GT 98 --- 900574 103-82-2

B. PRECAUTIONARY LABEL STATEMENT(S):
   DANGER!
   CAUSES SKIN AND EYE BURNS
   THIS MATERIAL, LIKE MOST ORGANIC MATERIALS IN POWDER FORM, IS
   CAPABLE OF CREATING A DUST EXPLOSION. REFER TO NFPA PAMPHLET
   NO. 654
   Do not get in eyes, on skin, on clothing.
   Avoid breathing vapor.
   Use with adequate ventilation.
   Wash thoroughly after handling.
   Keep container closed.
   First Aid: In case of contact, immediately flush eyes or skin
   with plenty of water for at least 15 minutes. Remove
   contaminated clothing. Wash contaminated clothing before
   reuse. Discard contaminated shoes. Call a physician
   immediately.

SECTION III. PHYSICAL DATA
- Appearance: Shiny white crystalline flakes
- Melting Point: 78 C (172 F)
- Boiling Point: Not Available
- Vapor Pressure: Negligible
- Evaporation Rate (n-butyl acetate = 1): Negligible
- Vapor Density (Air = 1): Not Applicable
- Volatile Fraction by Weight: Negligible
- Specific Gravity (H2O = 1): 1.2
- Solubility in Water (by Weight): Moderate

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SECTION IV. FIRE AND EXPLOSION HAZARD DATA
- Combustible Dust
- Extinguishing Media: Water spray; Dry chemical; CO2
- Special Fire Fighting Procedures:
  Wear self-contained breathing apparatus and protective clothing
to prevent contact with skin and eyes.
- Unusual Fire and Explosion Hazards:
  This material, like most organic materials in powder form, is
capable of creating a dust explosion. Refer to NFPA Pamphlet
No. 654, "Standard for the Prevention of Fire and Dust
Explosions in the Chemical, Dye, Pharmaceutical and Plastics
Industries," if this material is to be reduced to or collected
as a powder.

SECTION V. REACTIVITY DATA
- Stability: Stable
- Incompatibility: Strong oxidizers
- Hazardous Decomposition Products:
  As with any other organic material, combustion will produce
carbon dioxide and probably carbon monoxide.
- Hazardous Polymerization: Will not occur.

SECTION VI. TOXICITY AND HEALTH HAZARD DATA

A. EXPOSURE LIMITS: Not established

B. EXPOSURE EFFECTS:
   Inhalation: Low hazard for usual industrial handling.
   Eyes: Dust may cause burns.
   Skin: May cause burns.

C. FIRST AID:
   Eyes: Immediately flush eyes with plenty of water for at least
   15 minutes and get medical attention.
   Skin: Immediately flush with plenty of water for at least 15
   minutes while removing contaminated clothing and shoes.
   Get medical attention if symptoms persist. Wash
   contaminated clothing before reuse.

D. TOXICITY DATA:

<table>
<thead>
<tr>
<th>Test</th>
<th>Species</th>
<th>Result</th>
<th>Classification(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Oral LD50</td>
<td>Rat</td>
<td>2260 mg/kg(1)</td>
<td>Slightly toxic</td>
</tr>
<tr>
<td>Acute Oral LD50</td>
<td>Mouse</td>
<td>1130 mg/kg(1)</td>
<td></td>
</tr>
<tr>
<td>Skin Absorption</td>
<td>Guinea Pig</td>
<td>No evidence of absorption at 1.0 g/kg(1)</td>
<td></td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>Guinea Pig</td>
<td>Strong irritant(1)</td>
<td></td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Maximization test of 2% in petrolatum produced no sensitization in 25 human subjects.(3)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

R-0287.100
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SECTION VII. VENTILATION AND PERSONAL PROTECTION

A. VENTILATION:
Good general ventilation should be sufficient.

B. SKIN AND EYE PROTECTION:
Wear goggles or face shield.
Impervious gloves and clothing should be worn.
A safety shower, an eye bath, and washing facilities should be available.

SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS
Keep from contact with oxidizing materials.

SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES
Sweep material onto paper and place in fiber carton.
Package appropriately for safe feed to an incinerator or
dissolve in compatible waste solvents prior to incineration.
Dispose in an approved incinerator or contract with licensed
chemical waste disposal agency.
Discharge, treatment, or disposal may be subject to federal,
state, or local laws.

SECTION X. ENVIRONMENTAL EFFECTS DATA
This chemical has not been tested for environmental effects.

SECTION XI. TRANSPORTATION
For transportation information regarding this product, 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.

SECTION XII. REFERENCES

1. Unpublished data, Health and Environment Laboratories, Eastman
   Kodak Company, Rochester, New York.

2. Hodge, H.C. and Sterner, J.H., American Industrial Hygiene
   Association Quarterly, 10, 93 (1949).

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kind. Users should consider these data only as a supplement to other
information gathered by them and must make independent determinations of
the suitability and completeness of information from all sources to
assure proper use and disposal of these materials and the safety and
health of employees and customers.

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