

Biology

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):	Weight Percent	TLV(R)	Kodak 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.

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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.

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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.

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:

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

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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.

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SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

Keep from contact with oxidizing materials.

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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.

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SECTION X. ENVIRONMENTAL EFFECTS DATA

This chemical has not been tested for environmental effects.

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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.

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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).
3. Opdyke, D.L., Food Cosmetics Toxicology; Vol. 13, Suppl., 1975, 901-2

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The information contained herein is furnished without warranty of any 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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