

## **MATERIAL SAFETY DATA SHEET**

P  
CAROLINA BIOLOGICAL SUPPLY COMPANY

Revised: 16/07/04  
Replaces: 09/05/00  
Printed: 26/05/06

### **1. PRODUCT DESCRIPTION**

Product Name: Potassium Biphthalate  
Product Code(s): 88-2608, 88-2610, 85-0700, 85-0704  
Size: Various  
Chemical Name: Potassium Hydrogen Phthalate  
CAS Number: 877-24-7  
Formula: HOOC6H4COOK  
Synonyms: Potassium Acid Biphthalate  
Distributor: Carolina Biological Supply Company  
2700 York Road  
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)  
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

### **2. COMPOSITION/INFORMATION ON INGREDIENTS**

Principle Hazardous Components: Potassium Biphthalate(CAS#877-24-7)100%  
TLV and PEL units: None established

### **3. HAZARD IDENTIFICATION**

Emergency Overview: handling care generally in keeping with safe laboratory

practices is recommended.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

### **4. FIRST AID MEASURES**

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water and induce vomiting immediately as directed by medical personnel. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

### **5. FIREFIGHTING PROCEDURES**

Flash Point(Method Used): None

NFPA Rating: Health: 0

Fire: 1

Reactivity: 0

Extinguisher Media:

Use dry chemical, CO2 or appropriate foam.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved

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self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None

### **6. SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

### **7. SPECIAL PRECAUTIONS**

Precautions to be Taken in Handling or Storing: Keep container closed. Store

in a cool, dry area.

Other Precautions: Do not breathe dust. Do not get in eyes. Avoid prolonged or repeated skin contact.

### **8. SPECIAL PROTECTION INFORMATION**

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation. NIOSH approved equipment should be worn if PELs are exceeded.

Ventilation:

Local Exhaust:	Yes
Mechanical(General):	Yes
Special:	No
Other:	No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

### **9. PHYSICAL DATA**

Molecular Weight:	204.23
Melting Point:	295 C Decomposes
Boiling Point:	N/A
Vapor Pressure:	N/A
Vapor Density(Air=1):	N/A
Specific Gravity(H2O=1):	1.64
Percent Volatile by Volume:	N/A
Evaporation Rate(H2O=1):	N/A
Solubility in Water:	8%
Appearance and Odor:	Colorless or white crystals, Odorless.

### **10. REACTIVITY DATA**

Stability: Stable

Conditions to Avoid: None

Incompatibility(Materials to Avoid): None

Hazardous Decomposition Products: COx, K2O

Hazardous Polymerization: Will not occur

### **11. TOXICITY DATA**

Toxicity Data: orl-rat LDLo: 3.2 g/kg

Effects of Overexposure:

Acute: See section 3

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Chronic: None  
Conditions Aggravated by Overexposure: Dust may be irritating to eyes.  
Prolonged skin contact may cause irritation.  
Target Organs: Eyes, skin  
Primary Route(s) of Entry: Inhalation, ingestion or skin contact

## 12. ECOLOGICAL DATA

EPA Waste Numbers: None

## 13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.  
Always contact a permitted waste disposer (TSD) to assure compliance.

## 14. TRANSPORT INFORMATION

Non-regulated

## 15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory  
Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name List Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec.
261.33				

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Potassium Hydrogen Phthalate	No	No	No	No
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## 16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

### Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists  
CAS Number..Chemical Abstracts Service Number  
CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act  
DOT.....U.S. Department of Transportation  
IARC.....International Agency of Research on Cancer  
mppcf.....million particles per cubic foot  
N/A.....Not Available  
NTP.....National Toxicology Program  
OSHA.....Occupational Safety and Health Administration  
PEL.....Permissible Exposure Limit  
ppm.....parts per million  
RCRA.....Resource Conservation and Recovery Act  
SARA.....Superfund Amendments and Reauthorization Act

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TLV.....Threshold Limit Value  
TSCA.....Toxic Substances Control Act