



# SAFETY DATA SHEET

## 1. Identification:

**Product Identifier:** Phenolphthalein, Powder, Reagent, A.C.S.  
**Product code:** BP2066  
**Synonym(s):** Phenolphthalein Powder  
**Recommended use:** Manufacture of other chemical products, professional, scientific, and technical activities.  
**Recommended restrictions:** None known.

### Manufacturer/Supplier/Distributor Information

**Company name:** Biopharm Inc.  
**Address:** 187 South Tilley Road  
Hatfield, AR 71945  
**Telephone:** (870) 389-6114  
**Website:** www.bphchem.com  
**E-mail:** support@bphchem.com  
**Emergency phone number:** Chemtrec 800-424-9300

## 2. Hazard(s) identification:

**Classification:** This chemical is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Carcinogenicity Category 1B  
Reproductive toxicity Category 2  
Germ cell mutagenicity Category 2

### Label elements:



**Signal word:** Warning  
**Hazard statement:** Suspected of causing cancer.

### Precautionary statement:

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF exposed or concerned: Get medical advice/ attention

**Response** IF INGESTED: Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately seek medical attention.  
IF INHALED: Remove to fresh air. Give artificial respiration, if not breathing. If breathing is difficult, have a trained person administer oxygen. Call a physician.  
IF ON SKIN: Immediately flush with cool, running water for at least 15 minutes. Remove contaminated clothing. If irritation persists, obtain medical assistance.  
IF IN EYES: Immediately flush with cool, running water for at least 15 minutes, occasionally lifting upper and lower eye lids to ensure rinsing under them. Seek medical aid.

**Storage** Store locked up

**Disposal** To be performed in compliance with all current local, state and federal regulations

<b>Hazard(s) not otherwise classified (HNOC):</b>	None known
<b>Supplemental information:</b>	No information available

### 3. Composition/information on ingredients

#### Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Phenolphthalein	77-09-8	100

### 4. First-aid measures

<b>Inhalation:</b>	Remove to fresh air. Give artificial respiration if not breathing. Have trained personnel administer oxygen if breathing is difficult. Call a physician
<b>Ingestion:</b>	Rinse mouth. Never give anything by mouth to a person who is unconscious
<b>Skin contact:</b>	Wash off with soap and plenty of water. Consult a physician
<b>Eye contact:</b>	Flush eyes with water as a precaution
<b>Most important symptoms/effects, acute and delayed:</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>General information:</b>	Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves

### 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Alcohol-resistant foam. Carbon dioxide. Dry chemical powder. Water fog. Sand or earth may be used for small fires only		
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire		
<b>Specific hazards arising from the chemical</b>	No data available		
<b>Special protective equipment and precautions for firefighters</b>	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode		
<b>Fire-fighting equipment/instructions</b>	Wear self-contained breathing apparatus for firefighting if necessary		
<b>NFPA</b>	Health: 1	Flammability: 1	Reactivity: 3

### 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures:</b>	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
<b>Methods and materials for containment and cleaning up:</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal

**Environmental precautions:** Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses, or onto the ground. Avoid release to the environment. Prevent further leakage or spillage if safe to do so

## 7. Handling and storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/personal protection

### Exposure Guidelines:

<u>Component</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Phenolphthalein	No data	No data

**Engineering measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

### Personal protective equipment:

**Eye/face protection:** Wear protective eyeglasses or chemical safety goggles

**Skin and body protection:** Wear appropriate protective gloves and clothing to prevent skin exposure

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

## 9. Physical and chemical properties

<b>Appearance:</b>	White, crystalline
<b>Odor:</b>	No data available
<b>Odor threshold:</b>	No data available
<b>Vapor Pressure (mm Hg):</b>	< 0.0000001 hPa (< 0.0000001 mmHg) at 20 °C (68 °F) - OECD Test Guideline 104
<b>Vapor density (Air = 1):</b>	No data available
<b>pH:</b>	No data available
<b>Relative density:</b>	ca.1.296 g/cm <sup>3</sup> at 20.6 °C (69.1 °F) - OECD Test Guideline 109
<b>Melting point/freezing point:</b>	Melting point/range: 261 - 263 °C (502 - 505 °F) - lit.
<b>Solubility in Water:</b>	0.00336 g/l at 20 °C (68 °F) - OECD Test Guideline 105 - slightly soluble
<b>Boiling Point (°F):</b>	> 450 °C (> 842 °F) at 1,013 hPa (760 mmHg) - OECD Test Guideline 103
<b>Flash point:</b>	No data available
<b>Evaporative Rate (H<sub>2</sub>O = 1):</b>	No data available
<b>Flammability (solid, gas):</b>	Not auto-flammable - Flammability (solids)
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower</b>	No data available

<b>Flammability limit - upper</b>	No data available
<b>Explosive limit – lower</b>	No data available
<b>Explosive limit - upper</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	log Pow: 0.9 at 25 °C (77 °F) - OECD Test Guideline 107
<b>Auto-ignition temperature:</b>	397 °C (747 °F)
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Other information:</b>	
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1277 kg/m <sup>3</sup>
<b>Percent Volatile by Volume:</b>	No data

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No data available
<b>Conditions to avoid:</b>	No data available
<b>Incompatible materials:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	Carbon dioxide. Carbon monoxide

## 11. Toxicological information

### Information on likely routes of exposure:

<b>Ingestion:</b>	Diarrhea. Gastrointestinal complaints. Urine discolouration
<b>Inhalation:</b>	Slight irritation. Coughing
<b>Skin Contact:</b>	May cause slight or mild irritation to the skin.
<b>Eye Contact:</b>	May cause slight or mild irritation

### Information on toxicological effects

**Acute toxicity** This product is not classified as an acute toxicity hazard. See below for individual ingredient acute toxicity data.

<b><u>Component</u></b>	<b><u>LD<sub>50</sub> Oral</u></b>	<b><u>LD<sub>50</sub> Dermal</u></b>	<b><u>LC<sub>50</sub> Inhalation</u></b>
Phenolphthalein	1000 mg/kg (rat)	No data available	No data available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Red skin. Swelling of the skin. Itching. Skin rash/inflammation.
<b>Serious eye damage/irritation</b>	No data available
<b>Respiratory Sensitization</b>	No data available
<b>Skin sensitization</b>	No data available
<b>Carcinogenicity</b>	May cause cancer

### IARC Monographs. Overall Evaluation of Carcinogenicity

	Phenolphthalein	2B possibly carcinogenic to humans
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096)</b>		
	Not regulated	
<b>U.S. National Toxicology Program (NTP) Report on Carcinogens</b>		
	Phenolphthalein	Reasonably anticipated to be a human carcinogen
<b>Mutagenic effects</b>	No data available	
<b>Reproductive effects</b>	No data available	
<b>STOT – single exposure</b>	Not classified	
<b>STOT – repeated exposure</b>	Not classified	
<b>Aspiration hazard</b>	No data available	
<b>Chronic effects</b>	Red skin. Swelling of the skin. Itching. Skin rash/inflammation.	

## 12. Ecological information

<b>Ecotoxicity:</b>	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008
<b>Persistence and degradability:</b>	Readily biodegradable in water. No test data on mobility of the substance available. Photodegradation in the air
<b>Bioaccumulation/ Accumulation:</b>	Low potential for bioaccumulation (Log Kow < 4)
<b>Mobility in soil:</b>	No data available
<b>Other adverse effects:</b>	No data available

## 13. Disposal considerations

<b>Waste disposal methods:</b>	To be performed in compliance with all current local, state and federal regulations. Spills onto sand, soil, or other absorbent may be handled by placing the affected soil into approved containers then label and store for proper treatment or disposal.
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## 14. Transport information

<b>DOT:</b>	Not regulated as dangerous goods.
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## 15. Regulatory information

<b>U.S. Federal regulations</b>		
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>		Not Applicable
<b>U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		Not regulated
<b>CERCLA Hazardous Substances List (40 CFR 302.4)</b>		Not regulated
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>		

**Hazard Categories**      Immediate Hazard – No  
                                 Delayed Hazard – No  
                                 Fire Hazard – No  
                                 Pressure Hazard – No  
                                 Reactivity Hazard – No

**Other Federal regulations**

**Clean Air Act**            Not regulated

**Clean Water Act**        Not regulated

**California Prop 65**      WARNING: This product contains a chemical known to the State of California to cause cancer.

**16. Other information, including date of preparation or last revision**

**Revision date**            January 3, 2023

**Disclaimer**                The statements contained herein are offered as informational data only and are believed to be correct. However, this product should be handled by persons having related technical skills, and at their own discretion and risk. Since seller has no control over the use of this product, no warranty, expressed or implied, is made and seller assumes no liability in connection with any use of this information or from contact and/or handling of this product.